
EX LIBRIS DOCTORIS
KRÄNZLIN

Collectanea orchidacea

Inhalt ± 750 Sp.

Flora Vitiensis p. 300.

Eria (Conchidium)
Spicatae, parviflorae, ebulbes:

E. Richardiana Rchb. Foliis pergameneis lato ligulatis, apice inaequali-lobis racemis folia excedentibus, rhachi anantha parce vaginata; floribus densis, subsecundis; bracteis triangulis, pedicellos vix superantibus, mento obtusangulo; sepalis triangulis, obtusis; tepalis lato-ligulatis, obtusis; labello rhombeo, obtuso, trinervi; androclinio 3dentato; ovariis maturioribus fusiformibus.

Oberonia micrantha A. Rich. Sert. Astrolab. tab 3. p. 7.
Nova Hlandia.

Rchb. fil.

2

Flora Vitiensis p. 300.

Eria (Conchidium) gladiata Rchb. f.

Foliis lato-ligulatis, pergameneo-coriaceis, apice inaequali-bilobis; racemis folia superantibus s. aequantibus; scapi anantha, parce vaginata; racemo densifloro; bracteis triangulo-setaceis, flores aequantibus; mento obtusangulo, perulaceo, producto; sepalis extenso-triangulis; sepalis angustioribus acutis, labello trulliformi; basi trinervi, androclinii rostello longe producto, 2fido.

Oberonia gladiata A. Rich.

Sert. Astrolab. tab 2 p. 6

Folia vermixia pedalia 2" bene lata.

Nova Irlandia.

Flora Vitiensi. p. 300.

<u>Eria myosurus Rbch. f.</u>

Foliis coriaceis, linearibus apice inaequali-2lobis; racemis folia non aequantibus; rhachi tenui ananthia, parce vaginata; racemo rarifloro; bracteis triangulo-setaceis, ovaria pedicellata aequantibus; sepalis triangulis, mento subvanido; tepalis ligulatis, labello rhombeo, nervis subvanidis, rostello obtuse 2lobo. —

Haec verissima est planta Forsteriana Epidend. myosurus Forst. Prodr. n: 317. Keronia myosur. Ldl. Priv. p. 16. Fol. Priv. Keronia n:: 51. Planta tenella. Folia usque 5" longa 2''' 3'''ve lata. Haec si speciem inspexisset ill. b. Ldl. vidisset quanti rostellum bifidum

~~quod praeste~~ sit habendum, quod praeterea est in Eriis senou Lindleyano legitimis occurrit.

Society Islds (Forster!)
Navigator Islds („ from Mr. C. F Tonnerre).

Obs: Eria (Dendrolirium) myosurus Rchb. f. in Bonplandia 1857 dicenda Eria Ischyuros.

Phelasis carinata Bl. (Choix) = Eria car.
Dendrolirium elegans Ldl = Eria elegans
„ minutiflora Ldl = Eria minut.
„ Microsidis Ldl = Eria Micros.
„ Tahitensis Ldl. = Eria Tahit.

Flora Vitiensis p. 301. 5.

Spathoglottis plicata. Bl.

Labelli partitionibus posticis ligulatis retusis, divaricatis, erectis, partitione media basi minute hastiformi, pilosa in unguem contracta, apice dilatata, 2loba, carinis geminis disco basilari; callis carnicis extus excavatis basi subconnatis apice barbatis geminis in ima basi partitionis mediae inter angulos expansionis hastatae, tumore in parte anterioris unguis.

Lindenia II. tab. 5 t.

Bletia angustifolia Gaudich. Voyag. aut. du monde Uranie et Phys. t 32. p. 431 omnino huc videtur pertinere

Spathogl. plicata. Griff. Vol. III t. 311. II. p. 8

Spathogl. tilacina Griff. Vol III

cf. Lindl. Bot. p. 119.

Flores seu purp-lilacini s. albi.
Comparandi gratia additur.
Specimina mea (id est Rbw. f.)
Malacca (Griff. Cuming) Singapore
(Jagor) Pulo Pinang. Ile de Houton
Cawang (Delessert) Ile de Waigioo.
terre des Papous (Lesson!) Java
(Blume & Zollinger Junghuhn)

Flora Vitiensis p. 293.

Habenaria tradescantiifolia Rchb. f.

§ 1. Tepala integra.

Gracilis, caule basi vaginato, superius congesto, folioso, foliis lanceolatis acuminatis caule superne vaginis paucis brevibus vaginato, apice longius racemoso; bracteis lanceolatis acuminatis ovaria rostrata subaequantibus; sepalo dorsali oblongo 1-nervi; sepalis lateralibus subaequalibus deflexis; tepalis ovato-triangulis basi lata sessilibus; labello usque supra basin trifido; laciniis lineari-subulatis media lacinia longiori; calcari filiformi apice dilatato, acuto, ovarium pedicellatum non s. vix aequante; antherarum

canalibus uncinatis, cruribus
brevius culis adnatis.
Ovalau & Taviuni (Seemann No. 608 e.p.)
Planta gracilis vultu
Peristyli gracilis, notis ceterum
H. arenariae Ldl. proxima, quae
tamen diphylla. Sepala & tepala
uninervia.

§ 2. Tepala bifida.

2. H. superflua Rchb. f.
Caule basi ample vaginato, sursum
dense folioso, foliis lineari-ligulatis,
acuminatis aristatisve, superius
vaginato, demum racemoso,
bracteis ovaria subaequantibus
sepalis triangulis aristatis, lateralibus
deflexis. tepalis lineari-subulatis

erectis antice in lacinulam
rectangule porrectam linearem
obtusam brevem extensis; labelli
3partiti partitionibus lineari-
subulatis, subaequalibus, canalibus
porrectis brevibus, cruribus
ligulatis porrectis.
„Flores virides" Seemann Mss.
Ovalau et Taviuni Seem. (No. 608)

3. H. supervacanea. Rchb. f.

Caule basi parte et basi vaginato, superne foliato, foliis congestis, cuneato-oblongis, acuminatis dein parte vaginulo, apice racemoso, bracteis amplis oblongis acuminatis 3 [illegible] flores excedentibus, sepalis oblongis acuminatis lateralibus—

deflexis; sepalis 2 patulis, lateralis, petalis lineari-acuminatis, lacinia antica multo latiori, acuminata ~~—~~ acuta, tentaculis partitionibus linearibus, acutis partitione media longiori; calcare cylindraceo, apice incrassato, ovarium pedicellatum aequante; canalibus brevibus, subarcuatis; processibus stigmaticis porrectis.

Vidi sicc. Exact locality not specified (Gough?)

Similis sunt H. salaccensis Bl. & H. mesodactyla Lindl. Illa gaudet lacinia antica sepalorum dorsum ovata; haec lacinia sed partitione utraque aequilonga.

Müller Fragmenta. VI. p. 83. 11.

Glossodia Brunonis. Endl.

Cf. Lind. Orch. 424.

Caule 1-2-floro, glanduloso-pubescente & inferne villis articulatis consperso, folio oblongo v. lin-lanceolato, glanduloso-pubescente, floribus cyaneis v. purpureis inter rubre laevibus [illegible] ex albido & purpureo variegatis maculatisque columna in petalum speciosum cymbae-ovatum antheram superans dorso glanduloso-pubescens dilatata, labello subulato-lineari apicem versus pallescente & in fructo sepalis multoties breviore, appendice bisecta, segmentis angulato-subulatis obtusis nigris basi flavis parallelis

labellum aequantibus.

In sola Australia occid. frequens saltem a sinu regis Georgii usque ad montes Stirling Range et flumen cygnorum.

Müller Fragm. VI p. 84.

<u>Thelymitra ovata</u> F. v. Müll.

Glabra, folio radicali ovato v. lanceolato-ovato, caule folium aliquoties pluries superante 1-2 bracteato, racemo paucifloro pedum multo-uniflora, floribus intus pure intense coeruleis immaculatis, labello sepalis fere duplo angustiore, columna vix brevitem calycis superante, coronata lobis lateralibus violaceo-penicillatis

lobis medii vertice papillis in
fere cyaneis superne flexi-
onusto antice flavo bidentato
anthera breviter rostrata.

In ericetis passim prope
sinum regis Georgii III. F.M.

Appendices penicillares
offerunt bonos discriminationis
characteres; sunt enim in diver-
sis speciebus albae, flavidae
aurantiacae, violaceae.

Cf. Benth. Flora Austr. VI. p. 319 sub.
Th. crinita. Lindl.

17 F. v. Müller Fragmenta VII. 16.

Habenaria Hanthantha Fr. Müll.

cf. Benth. Fl. Austr. VI. 395.

Gracillima, caule basin versus foliato altius sparse bracteato, foliis lanceolato- v. lato-linearibus, bracteolis tenui-acuminatis germine conspicue brevioribus, sepalis flavis, exterioribus indivisis lanceolato-ovatibus fere aequalibus, labello membranaceo (sic!) calyci aequilongo ovato-lanceolato prope basin in lobos 2 laterales perbreves semi-lanceolato-subulatos v. deltoideos producto, calcare sepalis 2plo 3plove breviore postea per obliterata germine in pedicellum attenuato erostri.

In locis humidis circa Rockingham's Bay. J. Dallachy.

<u>Tubera</u> elliptico-ovata ½" longa. Caulis 1½' v. brevior. Folia praeter summum fere graminea, 1½"–4" longa, 1–2½''' lata. Bracteae ⅓–2½' longae. Racemus bi-usque pauciflorus. Bracteolae superiores 2''', inferiores 4''' longae. Sepala circiter 3''' longa. Labellum sepalis fere conforme (ut in Delphinium modum) praesertim si [illegible] dentes laterales fere obliterati, sed in apicem [illegible] acutatum. Calcar sepalis [illegible] longitudine fere aequale.

[illegible]

169 F. v. Müller. Fragm. X. p. 116. (Ann. 1877)

Chiloglottis trapeziformis. Fitzger.

cf. Fitzger. Austral. Orch. Part III. 1877.

Albior gracilis, glabra, foliis a tubere prosilientibus lanceolatis in basin petiolarem longe angustatis, bractea a flore dissita, sepalo supremo parum acuminato, omnibus sepalis longitudine fere aequalibus, labelli lamina rhombiformi longitudinem unguis late excedente fere a medio callum papillarem angusti lateri nuda.

Ad urbem Liverpool; Cum. King.

Limites hujus & congenerum tum etiamnunc ampliore observatione (!) egent.

Cf. Fitzger. Austr. Orch. I. 26.

F. v. Mueller X. p. 116 Fragm. ([illegible] 1877)

<u>Chiloglottis formicifera. Fitzg. Austr.</u>
Orch. III (1877.)

Humilis. satis robusta, glabra, foliis prope basin sessilibus oblongo lanceolatis margine paulo undulatis, bractea florem approximante, sepalo supremo parum acuminato, sepalis ceteris exterioris [illegible] [illegible], omnibus longitudine fere aequalibus, labelli lamina rhombeo-deltoidea obtusissima longitudinem unguis semiaequante longitudinaliter patente antice & centrum versus papillis [illegible] ad unguem callo magno inferne divergenti [illegible] [illegible] & [illegible] [illegible] [illegible].

Ad urbem Liverpool, Camp Bay

[illegible] [illegible]

Cf. Fitzg. Austr. Orch. I. 2b

18. F. v. Müll. Fragmenta. X. 64. (Apr. 76)

Adenochilus Nortoni. Fitzg. Austr.

Orch. II. (1876)

Herba foliis ovato-cordato, flore majusculo, sepal. inferioribus lato-lanceolatis inferiora superantibus, dispari parum ~~auis~~ arcto, columnae parte antheram superante ample crenato marginata obtuse dentata.

Ad cataractas ~~W~~ Western Blue Mts rarissime. J. Norton.

Cf. Fitzg. Austr. Orch. I t. 9.

l. c. p. 65.

Diuris aequalis. F. v. Müller & Fitzg.

Austral. Orch. II. 1876.

— D. maculata var. ~~aequalis~~ concolor Benth. Flor. austr. VI. 328.

Gracilis foliis elongato-linearibus canaliculatis, racemo distanter pauciflora, pedicellis elongatis, unguibus sepalorum lateralium lamina

obtusissima longioribus; sepalis inferioribus viridibus lateralis longitudi- fere aequantibus, sepalo superiore extus semiaequante lanceolato-rotundato crenis labello convoluto luteo, labelli lobis lateralibus medio longitudine et latitudine fere aequalibus, oblique cuneato obovatis lobis columnae laciniatis antheram superantibus.

Prope urbem Liverpool, ad hortum Georgii Harvey, [illegible]

Cf. Fitzger. Aust. Orch. I l. 13.

Muell. Fragm. IX. 47 (Mai 1875)

Dendrobium Smithii F. v. Muell.

(Cleisostoma Smithii Muell.)

Pumilum, foliis lanceolatis paulo obliquis, spicis racemiformibus folia superantibus pluri- v. multifloris, bracteis deltoideo-semi-lanceolatis acuminatis germine multoties brevioribus, floribus minutis, sepalis exterioribus; labelli [illegible] anteriora [illegible] [illegible] se [illegible] superantibus, labelli lobis lateralibus [illegible] [illegible]-natis, [illegible] [illegible] oblongo-cylindraceo, lobo terminali [illegible] [illegible] [illegible] [illegible].

Ad ramos Casuarinae prope originem fluvii Burdekin; [illegible] W. E. Armit.

Radices filiformes flexuosae elongatae [illegible] a fasciculo.

[illegible] 1½" 2½" [illegible]
[illegible] spicae [illegible]
pedunculatae, confertae, 1½–3 pollic.
breviter vix lineam longae.
Sepala membranacea; exteriora vix
lineam excedentia, basin versus
conspicue angustata; interiora
lanceolata, late [illegible], [illegible]
perpaucis acuminata. Calcar
leviter depressum, fere 1" longum.
Col. brevissima, [illegible]
[illegible]
Capsula [illegible]
[illegible], [illegible] pendens, in basi
[illegible] attenuata. Pollinia complana
[illegible] ovata.

Minuties florum insolita [illegible]
sepalorum interiorum [illegible] forma [illegible]
labelli [illegible] [illegible]
S. [illegible]

92. v. Müller Fragm. IX. 5 (Feb. 1875)

Bulbophyllum Baileyi. F. v. Müll.

Stolonifer, pseudobulbis angulato-
-bis ovatis, folio ovato crasse
~~obovatis~~ coriaceo obtuso in petiolum
v. articulationem angustato, pedunculo
1 floro pedicello longitudinem bis
[illegible] superante, sepalis majusculis
ovatis, superiore lanceolato, inferio-
ribus late falcato-semilanceolatis
postice floris inferiora angustè
lanceolata triente v. quadrante
[illegible] dentibus [illegible] saccatis, labello
[illegible] linguiformi ad basin
cordato [illegible] sepalis ter breviore
[illegible].

Prope ostium amnis ad Rockingham's
Bay ad ramos Casuarinae equisetifoliae
in silvis [illegible] primaevis; Bailey.

Rhizoma repens, ad 6' longum
[illegible] 2''' crassum fibrillas [illegible]

[illegible] Pseudobulbi [illegible]
[illegible] 1/2–1 1/2" longi. Rhizoma vix [illegible]
pollice longior. Folia 3–4" longa, 1 1/2–2 lin.
[illegible], [illegible] [illegible]
[illegible], [illegible] carinata. Pedunculi 3"
longi, spatiis 2–3 distantibus, bracteis [illegible]
[illegible] cylindricis [illegible] [illegible]
[illegible] [illegible]. Pedicellus [illegible] 2" longus,
[illegible] paulo [illegible]. Sepala [illegible],
2" longa, [illegible] membranacea, [illegible] [illegible]
[illegible] [illegible], [illegible] albida, utrinque
purpureo-punctata. Lab. [illegible], [illegible]
[illegible], 3''' long. interne canaliculatum [illegible]
[illegible] [illegible]. Columnae pars
libera 1/2" longa, antice utrinque in [illegible]
[illegible] [illegible], [illegible] [illegible]
[illegible]. Pollinia [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible]

24 Gartenflora von Stein (Regel's [illegible])
33 Jahrg. 1885 p. 20.

<u>Bulbophyllum Drallei Rchb. f.</u>

aff. B. flavidum Lindl. & vermiculostachys Rchb. f.

Pseudobulbis in rhizomate ascendente & repente aggregatis demum ellipticis obtusangulis compressis folio cuneato oblongo acuto; racemo e pedunculo folium superante, subsecundo, bracteis acuminatis ovariorum pedicellatorum superantibus, merilo! (sic) ~~[illegible]~~ mento obtusissimo parvo, sepalis elongatis lanceis, tepalis oblongis obtusis minute denticulatis, labello cordato 3-angustato, limbo minutissime asperato, lineis asperis geminis per discum columna bisecta.

Cultum in hort. imper. Petropolitano missum a Cortulano Dralle

ex Africa tropica occid. detect.
Hoermannianus.
Floruit mense Octob. 1884. [illegible]:

F. Müller Fragmenta VIII. 248. (Octob. 74)
<u>Sarcochilus Hartmanni F. v. Müll.</u>

[illegible] foliis carnoso-coriaceis, elongato lanceolari-oblongis basi [illegible] versus nervum medianum [illegible] angulatis, pedunculis folia fere aequantibus erectis [illegible], racemis multifloris, germina [illegible] pedicellatis, bracteis semilunari-deltoideis aliquoties ~~[illegible]~~, [illegible], sepalis albis patentissimis fere ovalis, lateralibus [illegible] angustioribus, omnibus fere aequilongis, labelli fere sessilis sepalis multo brevioris [illegible]

2:26. sericeo lobis lateralibus ...
ovatis sanguineo variegatis, lobo
medio minuto conico glabro, ...
in centro laminae appendicula
appressam oblongo ovatam e
basi prominente 2dentata ...
gerente.

In arboribus silvaticis prope
urbem Tarumba; Martio

Folia 4"–7" longa. 1/3–1 lata,
apice truncata et oblique incisa,
Racemi 4"–5". Flores sanguinolenti
saepe 12–14. Gemmae subcarnosae
cum pedicello pubescenti aequi-
longa semipollicaris tenui cy-
lindricum. Sepala ovata, 4"
longa. basin versus punctis rubris
maculata; una haud diffissa, ...
lata sua basi longitudinaliter
columnae adnata. Lobi labelli
laterales 1"' vix excedentes, medius

…pollinarii; caudicula [illegible]
…[illegible]; [illegible], infra
…papillam [illegible]. Columna
…1½‴ longa; [illegible] maculata. Polli-
…nia 2 pyriformia, transparentia, e
…2 [illegible] inaequalibus formata.
Caudicula pollinis aequilonga.
…Capsula ignota.

Species inter Sarcochilos [illegible]
…formata facile [illegible] (quae
…genera optime ad Sarco-
…chilum referenda), Sarcochilo
~~[illegible]~~ Hartmanni propinqua,
…quam jam [illegible] longiori-
…bus gracilioribus haud angulosis,
…et magnitudine sepalorum, colore
…[illegible], lobo labelli medio minutissimo
…[illegible] diversa; a S. Fitzgeraldi folii-
…planis neque [illegible] striatis
…sepalis minoribus facile distin-
…guenda est.

28. F. v. Mueller Fragmenta VIII. 249 (Ser. F...

Pterostylis semirubra. F. v. M.

= P. nana Hook. f. Tasm. tab. 114

Sect. Antennaeae.

Uniflora, foliis radicalibus longe petiolatis late ovato-orbicularis caulinis 1-2 angustis cuculliformibus; labii calycis sursum intense rubris, labii inferioris gracili laciniis e latiore basi lineari setaceis labium superiorem acuminatum amplectentibus, labelli lamina indivisa glabra oblongo lanceolata apicem versus leviter rubra, appendice labelli brevi paucis perangustis terminata.

In dumosis dobori-filiceum prope Apollo-Bay. C. Walter; in Tasmania ad basin montis Wellington. W. Archer.

Planta 3 pollic. v. altior. Folia 1" longa. Sinus labii inferi acutus, acutan...

...lijm appendicis in labello ...

...nte sub penicillatus. Fructus non visus.

Species fortes pulchre semi-
...antia inter congeneres singularis,
et Chiloglottis Gunnii (quae nuper
...ne in monte Wellington a cl. Milligan
collecta) semper caudices Dicksoniae
antarcticae v. Alsophilae austra-
lis inhabitans, a P. aversima
bracteis calycis colorem ...
labello apice integro dignoscenda,
a P. nana labiis superis arcubus,
sinu labii inferiori nec acuta ...
...mentalo neque dentigero super-
...anda. - Jam mensibus Julii
Augusto, igitur primo vere floret.

36. Bentham Flora Hongkongensis
p. 362. (1861)

<u>Habenaria leptoloba. Benth.</u>

Stem rather slender 6" to 1' high ~~leaves narrow lanceolate~~ including a slender & rather loose spike. Leaves lanceolate or linear 1–3". Flowers distant with small bracts. Ovary shortly beaked. Sepals & petals ovate lanceolate 2''' long, the upper ones converging over the column, the 2 lower spreading. Labellum rather longer, deeply divided into 3 narrow linear lobes, adhering at the base to the column with a minute tooth on each side between the labellum & the anther. Spur 5 or 6''' long, thickened towards the lower end. Anther cells very diverging, nearly horizontal.

Hongkong, Hartland — Hance. Not known from elsewhere.

Habenaria Miersiana. Champion

Kew. Jour. Bot. VII. 37.

Tuber ovoid. Stem 1' high or more. Leaves 2 or 3, oblong, scarcely pointed, the largest 4" long. Spike short, loose, few, pure white. Sepals ovate, acute, about 4''' long; the uppermost with the other smaller petals connivent, the 2 lateral more spreading. Labellum longer 6''' to 8''' broad, with 3 lobes of equal length, the 2 lateral broad & deeply fringed, the middle one narrow & entire. Spur 1½ inch long, slightly thickened towards the end.

In a ravine on Victoria Peak. Champion. Not seen in any other collection but nearly allied to H. geniculata Dn from Nepal & Burmah.

Bentham. Flora Hongkong. 352 ff

~~Liiasteles gracilis~~

1. Liparis nervosa Ldl. ~~Jen.~~ Orch. 26 p. 352
2. " odorata Ldl. Orch. 26 p. 352
3. " longipes Ldl. Orch. 30. p. 352
4. Kimia congesta Ldl. Orch. 22. p. 353
5. Bulbophyllum radiatum Ldl. Orch. 55 p. 353
6. Eria pusilla. Ldl. ~~Orch.~~ Orch. Walp. VI. 267
7. " rosea Ldl Orch. 67 p. 353
8. Podidola chinensis. Ldl. Walp. VI. p. 354
9. Coelogyne fimbriata. Ldl. p. 354
10. Arundina chinensis Bl. p. 355
11. Phajus grandifolius ~~Lour~~ p. 355
12. Spathoglottis Fortunei Ldl. p. 355
13. Tainystoma chinense. Rchb. f p. 356
14. Aeria angustifolia Ldl. Orch. 129. 356
15. Cyrtopera flava. Ldl. Orch. 189. 357
16. Cymbidium ensifolium Sw. Ldl. Orch.
17. Cottonia Championi Ldl. p. 357
18. Ainaupe multiflora. Ldl. 358

19. Luisia. sp. p. 358.
20. Appendicula bifaria. Ldl. p. 358.
21. Limatodes gracilis. Ldl. p. 359
22. Tropidia curculigoides Ldl. Orch. 497.
23 Spiranthes austral. Ldl. Orch. 464. p. 360
24. Zeuxine sulcata. Ldl. Orch. 485. p. 360
25. Goodyera procera. Hook. p. 360
26. Haemaria discolor. Ldl. Orch. 490. p. 361
27. [illegible] denticulata. Ldl. Orch. 284. p. 361
28. Habenaria lacertifera. Benth. p. 362
29 " stenostachya. Benth. ~~cf. p.~~ p. 362
30 " leptoloba Benth. cf. p. 30 p. 362
31 " linguella. Ldl. Orch. 325. p. 362
32 " Miersiana. Champion p. 363
33 " Susannae R. Br. p. 363
34 " galeandra Rchb. f. p. 363
35 Aopla reniformis. Ldl. Orch. 304. p. 363
36. Cypriped. purpuratum. Ldl. p. 364.

24

37. F. v. Müller Fragm. VIII. 173 (Ap. 1874)

Dendrobium Baileyi. F. v. Müll.

Glabrum, caule tenue gracillimo folioso, foliis lato-lineari-bus chartaceis, floribus lateralibus solitariis pedunculis nullis, bractea pedicellum semiaequante, sepalis omnibus sursum longe setaceo-linearibus membranaceis fere aequilongis, inferioribus deorsum lanceolato-deltoideis, interioribus basi angustis lanceolatis, supremo inferne latiuscule lineari, labello sepalis paulo breviore glabro, lobis lateralibus semiovalis, lobo labelli medio e basi lata fere ovato margine crispulo subito in acumen longum lineari-subulatum integerrimum producto.

In silvis montium altorum prope Rockinghamis Bay; Bailey.

1.

Vidi pratum exalbi in periorem 1-1½‴ exaspan. Folia graminea, 2¼ 4½″ longa, 2½-3½″ lata, versum longe angustata, prope basin rotundato-contracta, nervoso-striata, sed non valde prominenter carinata. Petioli arcte amplectantes; cylindrici, circiter 2½″ longi, jam facile a foliis ~~separa-~~ ~~tione~~ articulatione separati. Bractea fere cucullata, circiter sesquilineam longa. Color florum tantum stato amaricido suppetentium haud recognoscendus. Sepala paene ½ pollicaria; inferiora prope basin 1½″ lata; supremum inferne ¾″ latum. Labellum per axim membranaceum, ad basim breviter cuneatum; lobi laterales plani, integerrimi nisi apice paulisper denticulati, paste liberi ix 1‴ longi; lobus medius scilicet

36 addito acumine 3'' longus, mar-
gine paulo glandulosi-fimbriatus
ciis ad dimidiam labelli longitu-
dinem flavus ½ longius; nec crispu-
lus, nec glandulosus, apice nervis
3 validis per superiorem labelli
partem ultimus. Columna per
maximam longitudinem ~~alata~~,
erecta, 2½'' longa, apice fere
semiteres, vertice minute denti-
culata. Pollinia inaequaliter
dimidiato-ovata, cohaerentia,
haud connata. Capsula adhuc
ignota.

Species in systemate juxta
D. aggregatum inserenda habitu
Lanisei simulant.

F. v. Muell. Fragmenta VIII. 174 (Apr. 1874)

<u>Pogonia pachystomoides - F. v. Muell.</u>

<u>Epiphanes pachyst.</u> F. v. Muell. coll.

Gracilis, foliis in caule penitus nullis, bracteis tam caulinis quam floralibus brevissimis, corymbo pauci-floro, germinibus conspicue pedicellatis, sepalis brevibus obtusis stramineis, supremo obovato, inferioribus et interioribus ovali-oblongis basi angustatis, labello obcordato truncato indiviso sessili secus totam mediam papillis pauciserialis glanduloso, columna brevi sursum leniter alata.

Ad sinum Rockingham's bay. Hill. Specimina 2 transmissa incipiente anthesi reperta radice carent circ. spithamam altae. Bracteae in caule distantes, 1-1½''' longae, cauli semi-amplexantes; florales 1''' metientes

24

38. Dendrobieae, ... Sepala floris unius (ne quidem stata plane evoluta) suppetentis 3-4" longa glabra membranea. Labell. 2''' metiens, lineare membraneum; glandulae cefales exosiores. Col. ... tantum 2" longa. Anthera ... matica. Pollen ... immaturo ... e granulis ... adhaerentibus constans. Capsula ignota.

Planta quoad generis positionem dubia. Calodeniis quoque propinqua ... C...phyllum; porro jam ... Epiblastum (Epiphanum) patentem ... in Campb. New Hebrides Append. p. 213. sed sepala omnia mihi ... stata ... Saliram quoque sicut ... Pedigeritum ... Stenoglossum appropinquat.

Bulbophyllum Taylori. Fr. Müll.

Glabrum, foliis angusto-v. elongato-oblongis nervo medio carinulatis, pedicello tenui-filiformi longitudinem calycis aliquoties excedente, sepalis albidis, exterioribus cuneato-ovatis interiora anguste linearia longitudine aequantibus, labello flavo cuneato-semiorbiculari supra barbellato, ungue cuneato et membranaceo, columna calycem fere semiaequante apice utrinque in lobum brevem membranaceum lacinulatum producto.

Ad flumen (Bloomfield) River in sylvis densis; Norman Taylor, cui species dicata.

Pseudobulbi ignoti. Caulis e fragmentis suppetentibus forlasse uni-articulati, 1½–3" longi, sesqui-

40. lineam exacte lat. bracteas 2 latas membraneas gerentes, quarum altera dimidium pollicem, altera ½'' longa. Folia 2-3'' longa, ⅓-½'' lata, basi ovata, apice obtusa. Bractea ad basin pedicelli 3''' lata, 2-5''' longa. Pedicellus fere pollicaris. Sepala fere 3''' longa membranea, utrinque acuta. Calcar truncato-oblongum, membraneum, fere 1½''' longum. Labelli lamina 2''' lata, unguis cum columna albus. Pollinia 4 flavidula, geminata in massas mato-clavatas antheraeculia, omnia longitudine aequalia, vix ½''' metientia.

Ut alia, si mavelis, Dendrobio adscribendum.

F. v. Müll. Fragm. VIII. 28. (Maj 73)

Dendrob. agrostophyllum. F. v. Müll.

Glabrum, caule tenuiter gracili folioso, foliis anguste lanceolatis enerviis, racemis paucifloris lateralibus, bracteis semilanceolatis pedicello multo brevioribus, floribus flavis, sepalis inferioribus late semilanceolatis, sepalo supremo ovato, petalis obovato-cuneatis, aequilongo, labello longitudinem sepalorum attinente glabro fere quadrato, sursum paulo latiore, lobo supero obcuniformi antice truncato plano, lobis lateralibus deltoideis obtusiusculis, axi infra medium in callum linguiformem producto.

Ad sinum Rockingham Bay, Dallachy. Caules virides pedem alti, pseudobulbis carentes. Folia 2"-3" longa, 1/3"-1/2" lata, striolata. Ad apicem

24 42. [illegible] et obliqua curva.

Pedunculi ½ - 2⅓" longi solitarii. Pedicelli semipollicares. Sepala 3''' - 4''' longa, inferiora superis latiora. Labell. 4''' latum. Columna tantum summitate libera. Anthera terminalis, decidua. Pollinia 4 cerea, aequalia, ovalo-clavata, geminatim cohaerentia, facile separabilia. Capsula nondum visa.

D. graminifolium sane differt sepalis angustioribus in calcar distinctius productis, labello apice [illegible] [illegible].

Hooker. London Journ. bot. Tom II. 66.

Habenaria Sartor. Lindl.

Foliis oblongis canaliculatis acutis, racemo multifloro, bracteis foliac. ovariis brevioribus,

petalis 2partitis, lacinia dorsali setta, anteriore setacea deflexa longiore. Labelli 3-partiti laciniis setaceis intermedia breviore, calcare pendulo clavato-compresso ovario multo longiore, sepalis lateralibus reflexis.

In marshes (Brasilien).

Near H. macroceras but with longer spur a narrower & longer forearm of the petals & longer & narrower stigmatic process

Botan. Zeitung. 1874. pag. 844.

Odontoglossum madrense. Rchb. f.

Affine Od. nebuloso. Lindl. Pseudobulbis ligulato-ancipitibus, diphyllis, s. monophyllis; foliis loratis acutis pedunculo porrecto paucifloro, bract. triangulis acuminatis ovaria pedicellata subaequantibus; sepalis lin...

44.

acuminatis, dorso carinatis, tepalis
multo ~~majoribus~~ latioribus, oblong
apiculatis. labello optimo unguicu-
lato. callo velutino oblongo obtuso
... utrinque implicito antice
bipapuloso, lamina triangula
basi utrinque obtusangula, acu
optime acuminata, crenulata. —
Flores lactei maculis in basi se-
palorum bruneis, maculis ma
... in basi tepalorum. Callus
discus laminae labelli flavi. —
Flores illi Odontogl. nebulosi ...
... minores.
Von B. Rözl in d. Sierra Madre Mexico
gefunden.

Garden. Chron. 1886. I 5. 8.

Coelogyne stellaris. Rchb. f.

Pseudobulbo pyriformi fusiformi
obtusangulo tetragono costis obtusis,

…adventitiis nonnullis, diphyllo: foliis …petiolatis oblongis acutis papy…raceis; pedunculo plurifloro, …sporrecto, bracteis lanceis ovaria … pedicellata aequantibus anthesi; nunc servatis, nunc dejectis; …sepal- sepal-que lanceis acutis … lateralibus semicorsatis apice …antrorsum 2angulis acutis lacinia …mediana cuneata oblonga acuta …minutissime serrulata, carinis a basi geminis minute serrulato-ciliatis ad apicem laciniae anticae carina breviori interjecta, cari…mula utrinque una cotus in lacinia mediana; columnae …sarolinio integro marginato.

Borneo.

In the way of C. testacea. Sep & pet. green, lip white, side-laciniae with sepia-brown stripes. the middle with a sulphur blotch & 2 dark brown spots.

Gard. Chron. 1886 I p. 9.

Microstylis bella. Rchb. f.

Pseudobulbo cylindro-conico: fol. cunea. oblongis, acutis undulatis (evolutis + racemo elongato supra pedunculum angulatum medio 1-squamatum; bracteis lineari-lanceis ovaria pedicellata non aequantibus; sep. pet. que lineari-ligulatis ob. tuse-acutis; labello longe sagittato, apice subaequaliter 9-dentato; dentibus imbricantibus minoribus pulvinari ante columnam semiorbiculo incrassato basi medio triangulo sulcato; pilis lucidis minutis supra pulvinum sparsis; columnae auriculis recti-sinuatis. Ex Sondae ins. Nearly 2' h Flowers numer. not much smaller th. those of M. Josephi. Sep. & pet. pale purple with green tips. Lip purple

The cushion in front is dark purple with scattered brilliant white hairs.

Gard. chron. 1882 I p. 9.

Spathoglottis Augustorum Rf.

Pseudobulbis ovoideis; foliis cuneato oblongis ligulatis acutis plicatis; racemis bracteis herbaceis oblongis apiculatis excavatis magnis, ovaria pedicellata levissime puberula vix dimidia aequantibus; sepalis oblongis acutis tepalis sublatioribus labelli partitionibus lateralibus ligulatis retusis, partitione mediana unguiculata apice oblonga emarginata angusta ungue basi utrinque, auricula parva 3angula, callo utrinque 3angulo, medio sulcato, postice umbonato in basi unguis, descen-

dente in ligulam clavatam se
apice abruptam supra unguem
ad medium. fasciculo pilorum a
minuto utrinque in callo,
columna clavata.

Sanda Investig
Lindenia II. tab. ~~27~~ 25
Inflorescence nearly capitate,
bracts light green, strong, very
broad. Sep & pet light lilac, white
at the base. Lip dito. Callus stipi-
tate nearly 4 gonous at the top
yellow with purple spots & white
hairs.

Gard. Chron. 1886. I p. 41.
Oncidium lepturum. Rf.
heterantha.
Lepturum. sectio nova.
Pseudobulbo pyriformi angulato
2phyllo: foliis cuneato-obl. acutis
panicula ampla heterantha;

sep. sep-q. cuneatis. ligulatis
acuminatis; labello basi late cordato,
antice lineari 2fido; calli dactylis angustis numerosis; columnae ornithorrhynchae aliis oblongis lobulatis.

Bolivia

An Oncid with the fully developed lip of a „Basilata". It is very broad dilated, heart shaped at the base & becoming narrower & narrowed ending in a very small bifid apex. Sulphur colour with numerous light brown spots
Numerous abortive flowers.

Garden-Chron. 1886 I p. 73.

<u>Schomburgkia chionodoxa Rf.</u>

Aff. Sch. Humboldtii. Canali medullari in pseudobulbo multicostato unico; fol. oblongis obtusis;

50.

(panicula?) sepalis ligulatis acutis, tepal. spathulatis obtusis labelli + lobi lobis basilaribus obtusis antice rotundatis serratis crispis; sinu profundo. Floris candidi macula in labelli discon purpurea.

DENDROBIUM STREBLOCERAS (*Rchb. f.*) ROSSIANUM, *n. var.**

* *Dendrobium strebloceras* (Rchb. f.) *Rossianum*, n. var.—Floribus albis; tepalis viridulis; labello sepalisque demum flavescentibus. Col, exc. Linden. *H. G. Rchb. f.*

A NEW variety of the curious Dendrobium strebloceras, introduced by Messrs. Linden (Horticulture Internationale, Brussels), has just flowered. Mons. Lucien Linden expressed the ardent desire that this excellent variety might be dedicated to M. le Commandeur H. T. Ross, of Florence, *Le grand amateur Anglais* of Castagnolo, Lastra a Signa. The plant does not appear to differ in any manner from the typical Dendrobium strebloceras. It had lurked amid the stores of that species for years, when it suddenly surprised Messrs. Linden by its unexpected flowers of a whitish colour. After having been a few days in my room, the lip and the tips of the sepals turned a light yellow colour; the neatly twisted petals, however, were light greenish from the beginning. *H. G. Rchb. f.*

... the side-laciniæ, the stalk, and the anterior lacinia, are white. Some nerves, as also the edges of the keels, are of the finest mauve-purple, which affords a good contrast. The column is white, with rows of innumerable minute brown spots in front. It is peculiar looking, and widely distinct from, the great majority of Orchids. *H. G. Rchb. f.*

A fine inflorescence of this very curious species is at hand, kindly sent me by Mons. Lucien Linden. It is eight-flowered, and the flower-segments are a little narrower and smaller than those of Dendrobium stratiotes. The chin is remarkably conical, acute. The sepals are ligulate acute, twisted, undulate at the margins in an uncommonly complicated and bewildering manner, light green, with five brown nerves at the inner side of the base, which become more and more confluent above, having, however, kept the green margin. The longer, linear acute petals are twisted four times, bicolor dark cinnamon-brown with green margins. The side-laciniæ of the lip are oblique, oblong, truncate, green outside, with thin brown nerves. There are two small angulate keels at the base. Five keels run out from the base. The two outer ones go only to the spot where the linear stalk touches the dilated central lacinia. The three inner ones run to the apex of the mid-lacinia, the middle one rises in an abrupt triangular lamella. The disc between the side-laciniæ, the stalk, and the anterior lacinia, are white. Some nerves, as also the edges of the keels, are of the finest mauve-purple, which affords a good contrast. The column is white, with rows of innumerable minute brown spots in front. It is peculiar looking, and widely distinct from, the great majority of Orchids. *H. G. Rchb. f.*

pe

Jai

Dendrob. strebloceras Rf.

Antennatum. Racemosum:
Floribus illos D. antennati aequalibus: sepalis lineari-ligulatis tortis, sepalis lateralib. latiorib. tortis, mento angustiori, tepalis linearib. tortis, labelli laciniis lateralib. subquadrato-rhombeis obtusangulis isthmo brevi lacinia antica triangula lateribus obtusangula auriculis lamelliformibus parvis

…is geminis in basi, carinis a …basi in apicem disci quinis, ex…ternis in isthmo angulato abrup…tis, medianis lateralibus ~~acutis~~ …antice lamellato-undulatis, media…na carina ante apicem in angulum abrupta; columna utrinque obtusa.
Sunda-Inseln.

Gard. Chron. 1886. I p. 266
Dendrob. Stratiotes. Rf.

…is Antennatum. Floribus multo majoribus; sepalo impari ligulato acuto torto; sep. lateralibus latioribus tortis; mento extinctoriiformi, sepalis linearib. acutis tortis longioribus; labello 3fido, laciniis lateralibus rhombeis obtusis, nervis asperis, carinis 3 per discum: lateralibus ante

52. carin laciniae anticae reo[...]
lis ellipticae acutae angulati[...]
columna apice utrinque angula[...]
Sinда Ins.
Colour white & purple.

Gard. Chron. 1886. I p. 585.
Thrixspermum indusiatum. Rf.
Foliis densis oblongo ligulatis a[...]
spithameis, usque 3" latis, apice
inaequaliter 2lobis, pedunculo
racemifero foliis breviori, dense
racemoso; bracteis 3angulis par[...]
sep. ligulatis obtusis, lateralib.
majoribus; tepalis cuneato-
oblongis obtusis, labelli unguicu-
lati, dentib. lateralib. semifalcat[...]
parvis, lacinia mediana aequalit[...]
retusa, calcari cylindraceo magno
ovarium non aequante apice
quasi indusiato i.e. membrana

crassa arguta cupulari supra
ulterliam apicilarem introrsum
arcendente.

Quasi Coryanthes inversa!
Sunda Inseln.
Flowers expanding at long intervals, white outside, yellowish inside with red spots, which are shining also on the outside.

Gard. Chron. 1886. I p. 617.
<u>Oncid. pardoglossum. Rf.</u>
Aff. Onc. cheloglosso. Rf.
Pseudobulbo ancipiti demum rugoso, 2phyllo; foliis ligulat. acut. undulatis; racemo plurifloro; sepalo impari cuneato oblongo acuto, sepalis lateralibus connatis apice 2fidis laciniis acutis; tepalis a basi brevissima unguiculata oblongis undulatis; labello angusto a basi

late cuneato utrinque angulata dein ab isthmio angustato obtusangulo rhombeo emarginato callo auricpili triangulo de basi lineari in disco. papula 3angula utrinque supraposita papularum minorum serie; columna gracili tabula prosiliente, alis semiovatis acutis. — Sep. castanea
Sepal. impar fasciis paucis obscuris flavis; lateralia flavido-castanea. Lab. flav. dilutissime castaneo-maculatum ut antice cinctum. Col. sulphurea & atro-purpurea.

Gard. Chron. 1886. I p. 648.
Epidendr. fraudulentum. Rf.
aff. Ep. calantho. Rf.
Fol. ligulatis angustis; racemo densinsculo; sep. pet. q. oblongo-

...ligulatis acutis, labelli lamina ... 3loba, lobis lateralibus antrorsis ... fimbriatis lobo mediano ... emarginato subretuso antice ... fimbriato, carina per discum ... angulis geminis ante basin, andro... clinii laciniis integerrimis, late... ralibus semirhombeis.

Ex horto Sir Trevor Lawrence.

Flowers light rosy column & inferior part of ovary purple. Keel & calli ... yellow.

Gard. Chron. 1886 I p. 680.

Maxillaria Endresii Rf.

Aff. M. setigerae. Ldl.

Pseudobulbis ellipticis transversis demum valde rugosis; fol. cuneato-oblongo ligulatis acutis; pedunculis brevib.; bracteis ovaria subaequantibus; mento modico; tepal. ligulatis

acuminatis apice brevissime setigeris; sepalis subaequalibus minorib. labelli 3fidi laciniis lateralib. semiovatis antice angulatis versus medium labellum, lacinia mediana ovata acutius cula denticulata crispula; superficie interna velutina callo antrorsum 2angulo depresso inter lacinias laterales; androclinii membrana cingente denticulata.
Costa Rica.
Sep & pet light ochre-coloured with a purple border & similar colour veins, middle lacinia ochre-col. with a yellow disc. The whole internal area hairy

Gard. Chron. 1886 I p. 814.

Aerides Godefroyanum Rchb. f.

Foliis late loratis curvis, rigidissimis, racemo (semper?) simplici; sep. oblongis obtuse acutis, tep. cuneatis oblongis acutis; labello oblongo triangulo obtusangulo unco retrorso; calcari gibbo sub laminam non progrediente; columna ornithorrhyncho.

Ex Cochinchina.

Flow. can be compared with Aer. maculosum; light white with rosy ground; exceedingly small spur; which is characteristic as it no does not proceed under the lamina of the lip. The lip is obtusangled, triangular, with a keen retrorse even uncinate solid tooth. Column as in Aer. affine.

2

58. Gard. Chron. 1886. II p. 70.

Dendrob. peranthum. Linden & Rchb.f.

[Stachyobia antennata peranthia.]
Caule elongato valido nitido calamum gryphinum crasso inferne sulcato; racemis superne crebris multifloris; bracteis minutis, ovariis pedicellatis gracilibus, mento obtusangulo; sep. 3angulis; tep. linearib. longiorib. reversis; labello ligulato apice dilatato 3fido, laciniis lateralib. semiorbicularibus rotundatis, lacinia mediana ovata apiculo, carinis 5 per longitudinem mini valde approximatis lateralibus in disco laciniae mediae bifidis; col. 3gona, superne dilatata, androclinio pluridentato.
Molukken.
Lip comparable to that of Epid glaucum. Sep & pet of a sulphurous

colour. Lip white mid-lacinia & borders yellow, keels brown, partly purple.
Name from the Greek περκνος black-spotted?

Gard. Chron. 1886 II p. 70.
Vanda Lindeni. Rf.
Aff. Vand. hastiferae. [cf. Lindenii II 14 51]
Racemo laxifloro, plurifloro, sep. sep. q. cuneato-oblongis obtuse acutis undulatis, labelli laciniis lateralib. rhombeis quadratis, ; erectis, lacinia mediana 3angulâ carnosa antice deorsum 3angula ancipiti, superne gibberibus hemisphaericis 2 collateralib. medio per discum quadriculat. basin versus velutina, utrinque basi auricula ascendenti lineari velutina conspicua, calcari conico

500 intus velutino, labello dimidia-
-to aequilongo, columna clavata.
[Linda Surelu.

Gard. Chron. 1886. II p. 103.
Masdevallia striatella Rf.
Aff. M. chloraceae Rf & campyloglossae.
Fol. cuneato oblongo ligulatis
obtuse acutis, pedunculis subbre-
vioribus, florib. solitariis porrectis,
ovariis pedicellatis bracteas exce-
dentibus; mento in sepalorum tubo
minuto; caudis gracilis tubum
ipsum non aequantib; sep. lanceis
infra angulatis; labello basi utrinq.
angulato lanceo. col. clavata apice
acuta. Sep. albida nervis cinnamo-
meis, caudis aurantiacis. Pet.
alba nervo mediano brunnea.
Lab. basi et apice (?) flavum nervis
3 purpureis. Col. alba purp. marginata

yellow with 9 (always?) cinnamon stripes. Lip yellow at the base & apex & with 3 longitud. purple nerves. Col. white with purple side-borders. The leaf 5" in length and 1" in breadth.

Gard. Chron. 1886. II p. 183.

Chondrorrhyncha Lendyana. Rf.

Sepalo impari ligulato obovato acuto, sep. lateralib. lineari-ligulatis reversis retrorsis; tep. oblongis, labello elliptico antrorsum obscurissime subcrenatulo callo depresso 2dentato in disco rostello producto 2dentato. Sep. pallidissime citroleuca. Tep. ejusdem coloris. Lab. croceum margine antico pallidius. Col. alba striolis in basi purpureis.

Ext. Lendy Sunburgensi dicat.

Flower nearly as large as Warsz.

discolor but the sep. are very large & much superior to the sep. the lateral ones are reversed & retrors. which produces a very peculiar impression. the small elliptic. lip has a smal 2dentate callus in the centre. sep. & pet. of the lightest white yellow, the lip much darker.

Gard. Chron. 1886. II. p. 199.

Dendrob. pogoniates. Rf.

[Stachyobium] aff. ac persimile D. sphegidoglosso Rf.
Racemis capillarib. pauci floris bracteis ovat. apiculat. ovaria pedicellata dimidio subaequantib. sep. triangulo-lanceis, mento cylindrato retuso ovarium pedicellatum dimidium subaequante; tep. cuneato oblongis acutis antice minute denticulatis;

labello cuneato-antice dilatato 3fido; laciniis lateralib. oblongis ciliatis; lacinia antica mediana producta oblonga valde barbata ecallosa; col. basi infima simpliciter 2cruri nec antro fisso munita.

Nord-Borneo.

Leaves linear-lanceolate, unequally 2lobed at the apex. The habit of a miniature D. fimbriatum.

Gard. Chron. 1886. II p. 262.

Bulbophyllum saurocephalum Rf

Pseudobulbis 4gonis v. 5gonis conico-fusiformibus 1-phyllis, folio strenuo cuneato oblongo acuto; pedunculo in rhachin inflorescentiae crasso-cylindratam incrassato plurifloro; bracteis triangulis obtusis patentis transverse ovarium subaequantibus.

ovario puberulo; sepalo impari ligulato; sep. parib. connatis x multo majorib. apice incisis; omnib. extus velutinis; sep. 3angulis acuminatis angustis serrulatis; labello basi utrinque angulato; lamina ligulata obtusa; col. apice utrinq. alata, ala 2fida, lacinia superiore ascendente ligulata retusa, inferiore filiformi. Ex ins. Philipp. advect. dicitur.
A clavate thick bright red rhachis & this is loaded with flowers which make you think of the heads of alligators & similar amphibians. Sep. light ochre with brown lines over the chief nerves. Pet. small white with reddish midline & borders. Lip's base deep purple. blade ochre. Col. white with some purple lines & light ochre wings.

Gard. Chron. 1886. II p. 262.

Epidendr. pristes. Rchb.f.

[Amphiglottium.-Schistochila carinata.]

Gracile, caule (foliis) inflorescentia prope Ep. elliptici Graham. Foliis margine minutissime serrulatis; florib. majorib.; sep. lanceis; tep. subaequalib. dimidio superiore serratis. Labelli laciniis lateralib. semiovatis inaequaliter serratis basi involutis, lacinia mediana porrecta parva antica retuso-2loba serrata, carina flexuosa a basi in discum, callo subrhombeo utrinque; androclinii laciniis lateralib. involutis serratis

Pedicels white at the base, cinnabar at the top, sep. lanc. pet. equal, but serrate on the superior half lip 2fid. finest yellow with a few cinnabar spots.

66. Gard. Chron. 1886. II p. 262.
Coelogyne Foerstermanni. Rf.
[Erectae]. — Rhizomate validissimo squamoso repente; pseudobulbis crasso-cylindraceis curvatis pluricostatis, 2phyllis, foliis petiolatis oblongis multinervosis (sic!) rigidis prope sesquipedalib. pedunculis juxta bulbum evoluto, validis longissimis a basi multisquamatis vaginis distantib. quibusdam sub inflorescentia elongata; racemo multifloro. flexuoso, bracteis diu persistentib. lineari-lanceis ovaria pedicellata subaequantib. sep. pet. q. ligulatis acutis; labello 3fido, laciniis lateralib. semirotundatis, lacinia mediana minore porrecta elliptica acuta minute crispa, carinis plicatis a basi per discum inter lacinias laterales;

lateralib. in crura 2 supra lacini-
am medianam anticam decurren-
tibus; carina mediana evanescente;
col. 3gona, androclinii limbo lobato.
Sunda-Archipel.
Peduncle 2' high. Mr. Foerstermann
tells he found them with 40 flowers.
I see in the inflorescence a mimi-
cry of Miltonia flavescens. Flowers
~~yellowish~~ snow white with some yellow-
ish brown on the lip's disc.
The dried flowers are equal to the
fresh ones of a good large flowered
C. Cumingii.
The peduncle dies away & leaves its
base as it appears quite dead &
without any fresh shoot. I have 1
specim. at hand, that has some sheaths
both apart from the inflorescence
& the basilar sheaths. It must be
placed by the majority of the characters
to the group of „Erectae".

 Gard. Chron. 1886. II p. 294.

Cyrtopera Regnierii Rf.

Aff. C. flavae Ldl. Pseudobulbo transverso oblongo tumido articulato. foliis lanceolatis oblongis acutis; pedunculo alato racemoso; sep. pet. q. falcatis, labello oblongo acuto utrinque medio semiovato auriculato, mento conico compresso retrorso. Flores pallidi flavi.

Cochinchina.

Tuber transverse with 2 blunt, very short horns. Flowers not quite so large as those of C. flava.

Gard Chron. 1886. II p. 326.

Cypripedium callosum. Rf.

[Venusta, deflexa]

Foliis coriaceis viridulis obscurissime tessellatis; pedunculo

elongato, bractea acute ovarium
~~longe non~~ pedicellatum longe non
aequanti; sepalo impari elliptico
acuto transverse multinervi; sep.
lateralib. in corpus triangulum
coalitis labelli dimidium vix aequanti;
tepalis omnino deflexis extus ciliolis
callis conicis quibusdam in margine
callis paucis incrassatis in disco.
labello margine unguiculari utrinq.
obtusangulo ostio superne utrinq. angulato. staminodii cruribus antiois
forcipatis. processu mediano minuto
acuto papuloso.
Siam

Gard. Chron. 1886. II p. 326
Oncidium Pollettianum. Rchb. f.
Hyb. nat.?
Pseudobulbis foliisq. Onc. dasystylis
cui vicinum; racemo plurifloro;

floribus illis Ori. Gardneri aequalibus, sepalis lateralib. apicem usque bidentatum - connatis; sepal. oblongis obtusis; labelli auriculis obtusis minutis, isthmo lineari; lamina antica transversa obtusangula 4-loba, lobis medianis parvis, callis in basi subquadrato lobato antepositis carinis longis ternis, carina utraque basi extrorsum unidentata antice clavata, callo lobulato 1 utrinque extus ad apicem calli basilaris columnae humilis alis rotundatis.
Perhaps a mule between Orn. dasystyle & Gardneri.

Gard Chron. 1886. II p. 456
<u>Gongora flaveola Rf.</u>
Aff. G. gratulabundae Rf. Ungue aequaliter sigmoideo, hypochilii

sinu supramarginali amplo, angulo anteriori infra aristam mediano (nec basilari) connubus basilarib. angulatis minutis, epichilio humili, gutture in basi inferiori minutissimo.

Light ochre-yellow. lip darker. more yellow, column green. Light brown spots all over the flower.

?

Gard Chron. 1886. II p. 486.

<u>Odontogloss. Harryanum. Rf.</u>

Pseudobulb. pyriformi-compressis demum medio longitudinaliter costatis 2phyllis; foliis cuneato-oblongis- ligulatis obtusatis pergamenèis; racemo paucifloro (?) bracteis oblongis acutis, ovariis pedicellatis multoties brevioribus; sep. tep. q. ligulatis obtuse acutis undulatis. labello ab ungue utrinque-

 angulato, late subcordato, pandurato apice abrupto longe acuminato omnino convoluto, carinis serrato-laceris septem-novenis ante basin; col. 3gona medio angulata, alis subevanidis apice minute prominulis, callo quadrato de fovea breviter descendente.

Patriam non promulgavit ill. Rf.
Sep. brown with some hieroglyphical transverse greenish-yellow lines which later become intensely yellow. Petals projecting straight forward with yellow recurved points which is quite characteristic. They are brown in the middle & have numerous mauve blotches & spots at the base on a white ground. The lip is rather similar in colour

Gard. Chron. 1886. II p. 487

Dendrob. nercoglossum. Rchb.f.

Aff. D. adunco Ldl & Linguellae Rf.
Caulib. teretiusculis sulcatis, apicem versus sublatu defoliato racemiferis, foliis..., racemis paucifloris; mento obliquo nec rectangulo; sep. 2angulis acuminatis; sep. oblongis acuminatis; labelli 3fidi laciniis lateralib. semi-oblongis hypochilium semi-globosum efficientib., intus callis minutis asperum, carina margini superiori ciliolato supra discum & marginem anticam laciniarum lateralium, epichilis ovato ~~apiculato~~; col. utrinque breviter ac late foliata.

Flowers like D. adunc: sep & pet amethyst, lip white apex amethyst.
... Lip comparable to that of Cephalanthera rubra.
Malacca.

261. Gard. Chron. 1886. II p. 518.

Habenaria militaris Rf.

Spithamea & altior: Foliis lineari-acutis dimidium pollicem latis, racemo plurifloro; bracteis inferiorib. ovaria pedicellata aequantib. oblongo-ligulatis acuminatis; sepalo dorsali naviculari cum tepalis lineari-ligulatis galeatis; sepalis lateralib. oblongis acutis reflexis; labello 3fido, laciniis lateralib. oblongo trapezoideis divaricatis; lacinia antica brevi unguiculata porrecta oblonga 2fida, laciniis 3angulis, caliari filiformi compresso acuto ovario pedicellato longiori rostelli lacinia mediana 3angula corniformi, stigmatis crurib. porrectis (b. pusilla); minuta, 3 pollicaris; pauci-

folia labelli augue pro lacinia
mediana angusta bene longiori.
Haben. pusilla Rbch f. Ot. Haml.
1878. p. 33. Cochinchina.
Near. H. crinifera Ldl.
Gard. Chron. 1886. II. 552.
Dendrob. inauditum. Rf.
Pseudobulbis basi crasso-fusiformi-
sulcatis in collum quater longius
angust~~atis~~um ancipes extensis: folio
1 elliptico subacuto; florib. ex
spathis. longe pedicellatis, mento
obtusangulo, sep. lanceo-caudatis
sep. subaequalib. lab. 3 fido,
laciniis lateralib. subquadratis
obtusangulis, lacinia antica
ligulata undulata, apice aris-
tata, carinis parallelis obtusis
geminis inter lacinias latera-
les - flores sulphurini: lab.
pallide citraceum, bruneo-mar-

 moratum & guttatum & areolatum.
Carinae bruneae.
Polynesia
D. longicolle Ldl from Singapore &
D. tipuloideum Rf from the Viti-
Isld: are the nearest. Then D.
nitidissimum Rf from the Admi-
ralty & Viti Isl.
The Stem blackish horse chestnut

Gard. Chron. 1886. II p. 552
Esmeralda Clarkei. Rf.
Habitu omnino E. Cathcarti.
Sepalo impari cuneato-ligulato
obtusiusime acuto; sep. lateralib.
ligulatis curvis; tep. cuneato
ligulatis angustiorib. curvis,
labello unguiculato, medio bre-
vissime conico calcarato, ostio
calcaris a callo transverso
apice 2fido retuso tecto, callo

humili obtuso in basi, laciniis lateralib. oblongis retrorsum, breve uncinatis acutis, denticulo 1 seu denticulis 2 superadditis, lacinia antica de ungue brevi cordata oblongo-elliptica margine asperulo lobulata, carinis 7-9 per discum, caudicula lineari subito dilatata, glandula ~~hyp~~ hippocrepica concava.
Himalaya 8000!

The lip of Vanda Cathcarti which the sep. & pet. of Ren. flos aeris sep. & pet. yellow with numerous transverse olive-yellow bars.

Bot. Mag. tab. 7077.

- Arachnanthe Clarkei R. Rolfe Gard. Chron. 1888. II. 567.
- Vanda Clarkei. N.E. Brown. Kew. Bullet. 1888. p. 112.

Phalaenopsis (Gard. Chron. 1886.

I Euphalaenopsis:

1. Ph. amabilis. Bl. Bijdr. 294 tab. 44
= Ph. grandiflora. Ldl. G. Chron. 1848
Bot. Mag. 5184
= Cymbid. amabile Roxb.
= Epidendr. amabile L.
Java, Bornea, Celebes
var. aurea = Ph. grandif. var. aurea
Warner. Select Orch.
var. furcata Rchb. Bot. Zeitg 1862 p. 214.
Borneo.

2. Ph. Aphrodite Rchb. f. Hamb. Gartz.
= Ph. amabilis Ldl not Blume.
Bot. Mag 4297.
Nur von d. Philippinen bekannt.
Ph. ambigua Rf. hat die Blt von
Aphrodite & die Bl. von amabilis
[illegible] t nur eine Form von Aphr. zu sein.

mit längeren Bl.

Ph. casta Rf. blassrote. kaum als Varietät zu bezeichnen.

Ph. leucorrhoda Rf. &

leucorrhoda var. alba Blt resp. mit mehr od. weniger rot.

Ph. Sanderiana. Rf.

Ph. Sanderiana. marmorata.

Flower magenta-pink plush; sep. & pet. yellowish white outside.

3. Ph. Stuartiana. Rf. Gard. Chron.

Supposed to be a nat. hyb. ? x 2. — Bot. Mag. 6622. Lindenia t. 8.

var. Hrubyana Sep. & pet purple on back, white margins.

var. punctatissima. Rf.

4. Ph. Schilleriana. Rf.

var. major. B. M. t 5530

var. vestalis

var. immaculata

5. Ph. delicata. Rf. Gard. Chron. XVII p. 700.

6. Ph. intermedia Ldl. Paxt. Fl. Gard. III p. 163. nat. hyb. betw. Aphrodite × rosea. – Philippinen –
var. Brymeriana. Rf.
var. Portei Rf. Bot. Ztg. 1873, 128 als Art.

7. Ph. Veitchiana. Rf. Gard. Chron. 1872, 935.
nat. hyb. rosea × Schilleriana Philippinen.
var. brachyodon. Rf. Gard. Ch. n. s. XXI

Sectio II.
Proboscidioides.
8. Ph. Lowii Rf. Bot. Ztg. 1862. p. 214. Bot. Mag. 5351.
Borneo. Moulmein.
Sectio III
Esmeralda. Rf.
9. Ph. Esmeralda Rf. Gard. Chr. n. s.

II. 582. Flor. Mag. N. ser. t 358.
Cochinchina.
~~10. Ph.~~
10. Ph. antennifera Rf. G. Chr. n. s.
XI p. 398 & XVIII p. 520. Burmah.

Sectio IV.
Stauroglottis Bth & Hook.
11. Ph. amethystina Rf. G. Chr. 1865.
410. Sunda Ins.
12 Ph. Stobartiana. Rf. G. Chr. n. s.
VIII. 392. nat. country ?
13. Ph. Hebe Rf. Hamb. Gart. Ztg. 1862.
p. 35. Hen. II t. 156. Java
14. Ph. rosea. Ldl. G. Chr. 1848. 671
cf. Walp. III. Ph. equestris Rf.
var. leucaspis – Gar Chr. n. s.
XV. 638. Philippinen.
15. Ph. deliciosa. Rf. Bonplandia
1854. 93. Java.
16. Ph. Parishii Rf. G. Chr. 1865. 410.

 Hen II. t. 156. Bot. Mag. t. 5815.
var. Lobbii Rf. Rf. bot. t. 85.
Burmah. Moulmein.
17. Ph. pallens. Rf. Walp. VI. 932
= Trichoglott. pall. Stauropsis pall.
18. Ph. Reichenbachiana. Rbch. f. Sand.
Gard. Chr. n. s. XVIII. 586.
Nativ Countr. ?
19. Ph. Devrieseana. Rf. Hamb.
Gart. Ztg. 1860. 116. Java.
20. Ph. cornu-cervi ~~Bl.~~ Bl. & Rbch.
Gart. Ztg. 1860. 116 Cf. Walp. VI.
Java & Sumatra
21. Ph. pantherina. Rf. Bot. Ztg. 1864.
298. Borneo. from a dried
specim. allied to the proceeding
22. Ph. Mannii Rf. Gard. Chr. 1871.
902 Assam. allied to cornu cervi.
23. Ph. Boxallii. Rf. Gr. Chr. n. s.
XIX, 274. Philippinen.
24. Ph. violacea Teijsm. & Binnend.
Flor. Mag. n. s. t. 342. Ord. Alb.

t. 182. = Stauritis violacea Rf.
var α Marsomiana Rf. G. Chr. n.s. X 234.
var β. Schroederiana Rf " " " XVIII. 650
var γ Bowringiana Rf " " " XXII. 262.
var δ. bellina Rf " " " XXII. 262.
var. ε. punctata Rf. " " " XXII. 262.
var ζ. chloracea Rf " " " XXII. 262.

25. Ph. Valentini Rf. G. Chr. n. s. XX, 262
Nat. country ?

26. Ph. maculata. Rf. G. Chr. n. s. XVI, 134
cf. „Zettelkasten" Borneo.

27. Ph. Mariae. Burbidge. Orch. Alb. t. 80.
& note sub t. 87. Borneo.

28. Ph. fuscata Rf. G. Chr. n. s. II. p. 6.
In the way of sumatrana. Malay. Penin

29. Ph. fasciata Rf. G. Chr. n. s. XVIII, 134
cf. „Zettelkasten" Philippinen.

30. Ph. Lueddemanniana. Rf. Bot. Ztg.
1865. 146. Bot. Mag 5523.
var. α pallidior Rf. G. Chr. n. s. IV. 36.
var β. delicata Rf. " " 1865. 434.

var γ. ochraica Rf. G. Chr. 1865. 434

31. Ph. Corningiana. Rf. G. Chr. n. s. XI. p. 620.
Nat. Countr. not stated.

32. Ph. sumatrana Korth. & Rf. Hamb. Gart. Ztg. 1860, 115. Bot. Mag. t. 5527. Sumatra & Borneo.
var α sanguinea Rf. G. Ch. n. s. XV. p. 782.
var β. paucivittata. Rf. G. Ch. n. s. XVII. 628
var. γ. Guerseni. = Ph. zebrina var. Guerseni Tejsm & Binnend.
var δ. lilacina = Ph. zebrina var. lilacina. Tejsm. & Binnend.

33. Ph. tetraspis. Rf. G. Chr. n. s. XV, 562
Hen II p. 146. Andamanendar.

34. Ph. speciosa. Rf. G. Chr. n. s. XV. 562.
Orch. Alb. t. 158.
var α Christiana Rf. G. Chr XVIII. 745.
var β. Imperatrix. Rf " " " "

86. Phalaenopsis Wightii Rf. Bot.
Ztg 1862, 214 ☞ referred to
Doritis

Flora 1872. p. 277.
Acampe Griffithii. Rf. l.c.
Aff. A. dentatae Lindl.
Calcari cylindraceo intus etiam
piloso, labelli lamina 3angula
utrinq. basi porrecto-angulata,
lamellis intramarginalib. geminis
linearib. apice loboso, toto disco
verrucoso. Reliq. A. dentatae.
Bootan. Griff. legit.

Bot. Mag. 1883. Tab 6668.
Microstylis metallica. Rchb.f.
Caule brevi folioso, foliis e basi
late vaginante sulcato ellipticis
ovatis, 3-5-nerviis plicatis totis
purpureis marginib. crispato-un-

dulatis, scapo gracili sulcato, remotifloro purpureo, bracteis parvis lanceolatis reflexis, floribus longe pedicellatis, pedicellis horizontalib. ad basin ovarii brevi-asculi decurvis, sep. lineari-oblongis obscuris purpureis marginib. recurvis, pet. consimilibus sed paullo longiorib. angustiorib. & acutis, labelli ambitu late obovato basi sagittato angulis acutis, antice rotundato eroso-dentato callis 2 minutis columnae antepositis, columna brevi superne dilatata truncata.

M. metallica. Rf. Gard. chron. 1879. II. 750.

Vaterland (nicht genauer bekannt) wahrscheinlich Borneo.

Ganze Pfl. 5-6" h. Pseudobulbi cylindric after Rf. Flower 2/3" broad across the sepals. Die ganze Pfl. matt-violett.

88. Bot. Mag. 1883. Tab. 6671.

Pogonia Gammieana ~~Hf.~~ Hooker.
(Nervilia).

Glaberrima. folio late rotundato cordato, acuminato multinervio margine obscure undulato supra laete viridi subtus pallido, juniore plicato inter nervos seriatim sub-lacunoso, scapo robusto paucivaginato, racemo 6-10-floro, bracteis linearib., florib. pendulis breviorib. sep. pet. q. ellipticos lanceolatis acuminatis pallide lilacinis v. carneis. labello elongato sepalis aequilongo v. longiore albo-virescente, lobis lateralib. parvis inflexis terminali rotundato-ovato. reticulatim venoso crispato-piloso, ovario profunde 6-sulcato.

Sikkim. Kumaon. W. Himalaya.

Bot. Mag. 1882 Tab. 6637.

Ponthieva maculata. Ldl. Ann. nat. hist. XV. 385.

Pilis patentib. elongatis laxe villosa foliis sessilib. v. in petiolum angustatis lin-oblongis acuminatis, scapo valido, spica multiflora, bract. ovato-oblongis lanceolatisve, florib. horizontalib. ovario bracteis 2-3 plo longiorib. hirsutis, sepalo dorsali anguste ovato-lanceolato; lateralib. 2plo majorib. erecto patentib. late ellipticis albis brunneo maculatis longe ciliatis, petalis parvis ab apice columnae gracilis pendulis dimidiato-ovatis unguiculatis parallelis marginibus rectis contiguis, labello minuto excavato.

Schönleinia benigna Klotzsch.

90. Bot. Mag. 1882. Tab. 6662.

Oncidium praetextum Rbch. f.

Gard. Chron. 1873 p. 1206.

[Planifolia]

Pseudobulbis oblongis leviter sulcatis 2foliatis. foliis ensiformib. subacutis basi breviter vaginantib., panicula graciliter breviter pedunculata nutante sparsiflora.

Scho coquiert v. Collectanea.

Bot. Mag. 1884. Tab. 6771.

Odontoglossum Edwardi Rbch. f.

Gard. Chron. 1878. p. 74 (x Vol.)

Pseudobulbis ellipsoideis compressis foliis geminis elongatis loriformib. subacutis. florib. secus ramos patentes paniculae erectae pyramidatae longe pedunculatae racemosis, bract. parv., perianthio purpureo. callis labelli aureis,

foliolis patenti-recurvis crispatis subaequalib. sepal. subunguiculatis dorsali late-oblongo obtuso, lateralib. angustiorib. petalis obovato-oblongis labello petalis paullo longiore linguiformi basi utrinque lobato ultra medium recurvo apice obtuso, disco callis magnis deformib. carunculato col. brevi infra apicem antice utrinque breviter alata, alis crenulatis.

Sectio Myanthium.

Ecuador

Bot. Mag. 1883. Tab. 6679.

Comparettia macroplectron. Rchb. f. & Triana

Gard Chr. 1878 II. 524 & 1879 I. 398.

Orch. Alb. t. 65.

Foliis lineari-oblongis acutis crasse coriaceis supra convexis marginib. recurvis subtus pallide ferrugineo-

irroratis racemo gracile-pedunculato pendulo sub sexfloro, bracteis parvis. sepalo postico oblongo acuminato. lateralibus in laminam cymbiformem acuminatam labello suppositam dorso in caliar unionem longissimum productam. connatis petalis obovatis acuminatis pallide roseis rubro-punctatis labello amplo roseo maculis pallide rubris consperso, ungue brevi utrinque auriculato medio carina elevata acuto, lamina transverse oblonga breviter 2fida sinu acuto lobis undulatis.
Cordilleren. Entdeckt von Triana

Bot. Mag. 1883. Tab. 6683.
Laelia monophylla. N. E. Brown.
Rhizomate repente ramoso, caulib. pluribus gracilib. erectis 1-foliatis

infra folium longe vaginatis, folio anguste lineari-oblongo obtusiusculo, scapo elongato uni- (rarissime 2-) floro vaginis remotis cylindraceis appressis acutis, perianthio aurantiaco coccineo 1-1½ poll. diametro, sep. petq. patentib. subaequalib. oblongis, subacutis. labello parvo columnam amplectente, lobis lateralib. angustis rotundatis terminali brevissimo recurvo rotundato, disco papilloso, clinandrio dorso crenulato.

L. monoph. N.E. Brown G. Chr. 1882 (XVIII) 782.

Trigonidium monoph. Griseb. W. Ind. 629

Octadesmia monop. Benth. Gen. Pl. III 526.

Jamaica. 3000-5000!

94. Bot. Mag. 1883. Tab. 6690.

Spiranthes euphlebia. Rf. Flora 1883, 16.

(Stenorrhynchus)

Caule robusto superne cum inflorescentia puberientibus, foliis rosulatis lin-oblongis subacutis undulatis, vaginis elongatis acuminatis superiorib. bracteiformib. bracteis elongato-lanceolatis, racemo brevi densifloro, sepalis ovato-lanceolatis longe acuminatis. infra medium cum ovario in tubum villosum connatis petalisque dimidiato-lanceolatis paullo breviorib. albis brunneo pulcherrime venosis, labello petalis multo minore, ungui gracili elongato, lamina lanceolato-panduriformi acuminata.

Brasilien.

12"-18" h. Bl. 5"-6" l. 1½"-2" br.

Bot. Mag. 1883. Tab. 6693.

Angraecum modestum. Hook.

Caule brevi. foliis 4-5 pollicarib. elliptico-v. lineari- oblongis subacutis, racemo pendulo 6-10 pollicari, pedunculo 3-6 pollicari modice robusto vaginis brevib. crebris appressis cum rhachi pedicellisq. pollicarib. pallide bruneis, bracteis brevissimis, florib. candidis, 1-1½" diametro, sep. pet.q. consimilib. patenti-recurvis oblongo. lanceolatis acutis labello petalis paullo longior & latiore recurvo, calcare gracillimo pedicello 2plo longiore, col. brevi obscure pilosa, polliniarum stipite solitario gracili, glandula squamiformi 2loba.

The nearest is said A. apiculatum of Sierra Leone & A. 2lobum. It is a native of Madagascar.

Scheint meinem A. Rohlfsianum sehr nahe zu stehen!

96. Bot. Mag. 1883. Tab. 6715.

<u>Dendrobium cariniferum Rchb. f.</u>
<u>var. Wattii</u>

Caulib. fasciculatis elongatis, internodiis 1½" cylindraceis, foliis alternis lin.-oblongis planiusculis apice obl. minute 2dentatis vaginis supremis plus minus nigro-hirsutulis, florib. apicem versus caulis aphylli solitariis v. 2nis breviss. pedicellatis 2" diametro, albis, sep. obl.-lanceolatis acuminatis lateralib. subfalcatis, pet. aequilongis latiorib. ellipticis, labello albo striis flavis v. subcinnabarinis cuneato-flabellato, lobis lateralib. obtusangulis intermedio parvo obovato crispulo venis incrassatis papillosis, calcare fere recto robusto obtuso, col. recta apice 3dentata,

dentib. lateralib. ovatis dorsali longiore angustiore.

D. carinifer. Rf. Gard. Chr. 1869, 611.

var. Wattii.

Fol. angustiorib. vaginis fere glaberrimis, floribus majoribus labello flavo fasciato, lobo medio longiore oblongo apice, 2lobo.

Burmah. Bamo district on Munipore

Very nearly allied to D. longicornu Ldl. D. Xanthophlebium Rf. & D. Williamsoni Day & Rf.

Bot. Mag. 1883. Tab. 6728.

Aerides Emericii. Rf. G. Chr. 1882 II. 586.

Foliis elongatis loriformib. latiusculis crasse coriaceis apice 2fidis lobis obtusis, racemo pendulo multifloro, scapi viscosa. floribus roseis longe pedicellatis, perianthio subgloboso,

 segmentis incurvis obtusissimis; sepalo dorsali late obovato rotund[o] lateralib. majorib. late ovato-oblong[is] pet. obovato-oblongis sepalo dorsali paullo majorib., labello in calcar infundibuliforme crassum incurvum abeunte lobis lateralib. rotundatis erectis terminali parvulo linguaeforme inter lobos laterales recondito incurvo.

Very closely allied to A. virescens. Andamanen Inseln.

Presl. Reliqu. Haenkeanae 101.
Vanilla odorata. Presl.

Foliis lin. lanceolatis acutis nervosis, capsulis longitudine foliorum.

Scapus teres repens. Folia brevissime petiolata, erecta. lin. lanceolata, acutissima, nervosa, cras-

nosa. 5-7" longa. 6-8''' lata. Spica brevis, rhachis a floribus delapsis cicatricata. Flores... Capsula sessilis, lin-lanceolata, basi & apice attenuata, capitellata, semipedalis v. parum longior. Semina nigra, nitida, aptera. A. Van-angustifolia & Van. planifolia foliis capsulisque (quibus affinis videtur) differt. Odorem specifice-aromaticum 36 annis post capsulae nondum perdiderunt.

Flora 1872. p. 277

Vanda clitellaria. Rchb. f.

Bene caulescens, foliis ligulatis, apice valde inaequaliter 2lobis, lobis obtusis argutisve, pedunculis folia excedentibus plurifloris. Sepalis unguiculatis obtusangulo-3angulo-hastato-laminatis.

Tepalis cuneato-oblongis, obluse acutis calcari conico intus velutino abbreviato, labelli auriculis oblusangulis antrorsis. Lamina pandurata, basi utrinque angulata, antice emarginata, lamellis oblusangulis geminis in disco, callo in ima basi didymo in carinas paucas inter lamellas excurrentes excuntes.

Flores illis V. Roxburghii subaequales. –

Mangs Island (herb. expeditionis Wilkesianae com. Asa Gray)

Cl. Gay. Historia de Chile V p. 439.

Chloraea Gayana. Ar. Rich.

Scapo pedali vaginis laxis apice lanceolatis, foliac. acutis superpositis & quasi imbricatis obtecto; florib. 5–6 maximis albis spicatis.

bractea lanceolata acutissima florem saepe aequante; sepalis externis lanceol.-linearibus acu-tiss. venosis, reticulatis; internis latioribus brevioribus, lanceolatis acuminatis reticulato-venosis; labello erecto integro petalis subbreviore lanceolato, obtuso, 7-9-nervio; nervis a basi usque ad ultimam quartam partem ramosis divisis petalis basi latis soluto; gynostemio gracili, clavato, fere longitudine labelli.—

Se cria en los prados herbosos de la provincia de Valdivia.- Se distingue de la Ch. speciosa. Poepp. de la cual es muy afin por sus sepalos laterales llanos y no undulados y como un espiral, y señalado por sus petalos escesivamente agudos y no obtusos.—

102. Cl. Gay. Historia de Chil. V p.

Chloraea lanceolata. Lindl.

Journal - Marz. 1827.

Chl. labello oblongo obtuso crena- juxta marginem verrucoso; centralib., appendicib. falcat cristatis; sep. lateralib. apice concavis, petalis nudis brevio . . . hallado encontró en . . . speci . . . cerca de la Concepcion

Cl. Gay. Historia de Chile V p. 45.

Chloraea densa. A. Rich.

Radice fibrosa; fibris crassi. simplicib.; caule 8-10" alto, ba folioso, caeterum vaginis lax. apice acutis obtecto; foliis a imam caulis partem rosella figura variis, nunc ovalib.-ob nunc acutis aut oblongo-lan floril. racemum 7-9-florum

Cl. Gay. Flor. Chil. V. 443.

Chloraea Poeppigiana A. Rich. Caul ~~pri... terminale~~ erecto vix pedali vaginoso, floreb. amplitudine medi spicā terminalē rar densā efformant bracteis lanceolat. acut. ovario lo... oib. sepalo supremo elliptico o longo acuto, lateralib. ~~ovario longio~~ lanceolat. vix falcat. apice incras. & margine revoluto angustatis o... rio, interiorib. ovali-oblongis bre vioribus, labello rhomboidali apic acuto, laterib. integris, superiori anguste & inaequaliter dentatis, cr. 5 longitudinalib. a basi usque ā apicē productis dentatis, latera bus obliquis parve & distantes denticulatis

= Ch. decipiens Poepp. I. 31 t. 55 fig

Por la forma de su labelo esta esp cie cuadra perfectamente con la figura 3 de la lámina 55 del prof

Poeppig, señalando una variedad de su Chl. decipiens; pero como el señor Lindley ha establecido con esta ultima otras dos especies, à saber Chl. multiflora, que acabamos de describir y la Chl. crispa y como no habla de esta especie bien distinta sino, y con duda como su Ch. lamellata, cuyo labelo es obtuso y no muy agudo, hemos creido, para salvar toda confusion abandonar el nombre de Chl. decipiens y damos à nuestra planta el nombre del profesor Poeppig á quien debemos su primera noticia. Distinguese del antecedente (Chl. lamellata) por sus sepalos laterales crasos en la punta, y por su labelo romboidal y muy ~~[illegible]~~ agudo en la punta mientras que es truncado en cuadro en la Chl. multiflora.

densum efformantib: bracteis ellipticis lanceolatis acutis dimidiam floris attingentib: sepalo supremo oblongo elliptico apice saepius obtuso; lateralib. angustis lanceolatis apice sensim attenuatis obtusis et concavatis; internis (Pet.) oblongis angustis subacutis, basi sensim angustatis; labello basi cuneato, 3lobo, lobis lateralib. obtusis intermedio ovali acuto, nervosis, nervis omnib. tam longitudinalib. quam lateralib. appendicib. carnosis oblongis obtusis dentiformib. ornatis.

Esta especie es algo parecida à la Chl. campestris Poepp. pero la espiga no tiene mas que ocho á diez flores en lugar de veinte á cuarenta, el labelo es alargado, ligeramente trilobo,

con los lóbulos poco señalad
obtusos y enteros y el del medi
el mayor, semi-oval, agudo, do
lado; todas las nerviosidades
están marcadas de crestas del
dadas, con los dientes designa
les y apartados. — Se cria e
las provincias centrales. (
Valparaiso etc.

Cl. Gay. Historia de Chile V 45.

<u>Chloraea odontoglossa. C. Ric</u>

/Caul bipedali, basi folioso; foli
numerosis ellipticis acutis basi
vaginantib. racemus terminali
8-10 unciali multifloro; florib.
amplitudine mediis circiter 15
20, bracteis elliptico-lanceolat
acutis ovarium superantib.;
sepalo supremo lanceolato ap
subobtuso; lateralib. lanceolat

...lacealis; 3-nervüs, internis (pet.)
...ed obovatib. obtusissimis; sub sinu-
...dosis basi venosim angustatis;
...de labello basi unguiculato 3-lobo;
...lobis lateralib. obtusis in ambitu
...ud inaequaliter-serrato paulisper erosis;
...lobo medio subquadrato, truncato,
... margine profunde serrato, in
... nervis 5 longitudinalib. usque
... ad apicem cristato-serratis,
...5: nervis lateralibus obliquis &
... distanter cristato-serratis;
...liquis flexuoso elongato clavato vix
... labello breviore.

... Esta especie se acerca de
... la Ol. aurantiaca L.K. pero sus
... sepalos laterales son muy agudos
... delgados en la punta; el lobo
... del medio del labelo es truncado y
... profundamente dentado.
... Se cria en las provincias centrales

Cl. Gay - Historia del Chile V. 457

Chloraea cyppaloglossa. A. Rich

Caule bipedali & ultra, basi foliosa & superne vaginato; foliis ellipticis lanceolatis acutis; racemo elongato ~~plans~~ multifloro; floribus distinctis distantibusque, sat longe pedunculatis; bracteis lanceolatis acutis ovarium c. pedicello aequantib.; sepalo supremo oblongo-spathulato vix acuto, lateralib. longiorib. lanceolatis apice dilatatis subtruncatis; internis (pet) ovalib. latiorib. vix acutis venosis lineatis (?) punctisque interruptis notatis; labello basi cuneato 3 lobo, lobis lateralib. obtusis sinuosis, terminali suborbiculari, apice truncato, sinuoso, incrassato, venis disci cristatis parum promi-

neutib. lineisque interruptis elevatis notatis; gynostemio clavato, labellum fere aequante.

Esta especie notable por los caracteres mencionados se halla en las provincias del sur.

Cl. Gay. Historia de Chile V. 465.

Asarca verrucosa. A. Rich

Caule 2pedali; foliis elliptico-lanceolatis obtusis, glabris; florib. spicatis; bracteis lanceolatis acutissimis flore longiorib. sepalo supremo ovali acuto, lateralib. basi semi-ovalib. basi productionib. apice longissime acuminatis, incrassatis obtusis; internis (pet.) ovalib. obtusis latiorib.; gynostemio brevi apice anticeque obtuse marginato; labello sessili basi obtuso, ovali apice rufo expanso

margine dentato, dentib. pauci inaequalib. apice incrassatis, in disco pluricristatis; crista media continua, lateralib. interruptis.

Esta especie muy distinta por sus sepalos y el labelo se cria en las provincias del sur

Cl. Gay. Historia del Chile V. 475.

Spiranthes chilensis. A. Rich.

Caule folioso 8"-10" alto; foliis obovali oblongis, acutis, basi sensim angustatis & vaginantib.; florib. dense spicatis bracteatis, bracteis ovali lanceolatis acutis, margine erosis flores c. ovario fere aequantib.: limbo calycis ringente subhorizontali; lacinia superiore lanceolata acuta, concava, externe glanduloso-papillosa cum [illegible] s (pet.) ob-

longis angustis subovalibus; lateralib. bali productionib. lanceolatis acutissimis subfalcatis, sub papilloso-glandulosis; labello gynostemio brevi parallelo basi unguiculato, cum basi gynostemii productiori continuo, oblongo obsolete trilobo senoim recurvo venoso apice subacuto; gynostemio brevissimo.

Esta especie difiere [de la antecedente] por su tallo de menos altura, con hojas obovales y no ensiformes, por sus sepalos glandulosos, su labelo unguiculato en la base, un tanto ancho por cima de la uña, oval, alongado y agudo. – Se cria en la provincia de Chiloe. a Cucao etc.

110. Bentham. Flora Austral. VI. 90.

Spathoglottis Paulinae F. Mu

Fragm. VI. 95.

Tubers small. Leaves lanceolate

acuminate 2-3 feet l. tapering

into a long petiole, plicate &

strongly ribbed. Scapes stem

3-4' bearing a short raceme

of purple flowers. Bracts

lanceolate, about 1/2" long; the

pedicels about 1". Sep. & pet.

about 5''' l. Labell. about

long, very short & concave

the lobes, the lateral lobes

linear-oblong slightly

spathulate & incurved, the

middle lobe scarcely longer

obovate, obtuse or emargin

contracted much below the mi

with 2 large prominent call

inserted above the lateral l

half way around & immediately above
the calli. Column incurved,
not much shorter than the se
pals, slightly dilated upwards.
= Bletia Paulinae F. Muell. l.c.

Queensland Rockingham bay
Very near the Sp. plicata Ll.
but the flowers are rather small
& the shape of the middle lobe
of the labellum different. ?

112.

Habenaria alata Hook. Exot. Fl. 169.
" antennifera A. Rich. Ann. sc. nat. II. 1
" blephariglottis Hook. Ex. Flor. 87.
" " " " Lodd. 925
" ceratopetala A. Rich. Ann Sc. XIV. 16
" ciliaris. R. Br. Lodd. Cab. 1326 & B. M. 40.
" cordata. R. Br. B. M. 3164. Bot. Misc.
" cristata. R. Br. Lodd. Cab 1661.
" dilatata Hook. Exot. Fl. 95. B. M. Ca.
" fimbriata. R. Br. Lodd. Cab. 572. Ex. Fl.
" fornicata. Bab. Rbtz. Dict. IX. 851
" gigantea Hook. B. Mag. 62, 337
" gracilis Colebr. Hook. Exot. Fl. 13
" hamigera Griff. Calcutta Jour. 1844.
" lacera. R. Br. Lodd. Cab. 229. Exot. Fl.
" longebracteata. Hochst. Schimp. Fl.
" marginata. Colebr. Hook Ex. Fl. 1
" micrantha. Hochst. Seubert. Fl. Az.
" orbiculata. Hook. Ex. Fl. 145. Lodd. C
" peristyloides. A. Rich. Ann. Sc. nat. II.
" Quartiniana A. Rich " " "
" sagittifera. A. Rich " " "
" tenuis. Griff. Calcutta. Jou. 1844.
" tridactylites. Webb. Canar. 221.
" tridentata. Hook Ex. Fl. 81. Lodd. Cab. 16
" vaginata. A. Rich. Ann. Sc. II. XIV. 1,
" ... Mexicana. acad. Pet. III. 4
" ... A. Rich. Ramon. Cuba. 86

Sertum Patagonicum (Trabajo suelto del Boletin de la Academia Nacion. d. Cienci III N. 4. p. 54.

Chloraea Bergii Hieron. Chl. (in specim. unico uniflora scapo circit. 15 cm alto bracteato. Bracteae (6) vaginantes lanceolatae, acutae marginib. apice involutae membranaceae reticulato-parallelinerviae 4-4.4 cm longae 6 mm latae. Folia .... Sepala lanceolata acuta reticulato-parallelinervia, posticum 2-1,2 cm longum 5 mm latum, lateralia 2-1,2 cm longa 4 mm lata. Labell. rhomboideum basi supra dense piloso-maculatum medio in mediana incrassata striatulum glabrum apice marginibus laceris setoso-ciliatis (ciliis 5 mm longis) per faciem papillis glandulaeformibus cristatum. Petala lateralia ovato-lanceolata acuta circ. 2 cm long 6 mm-1,2 cm lata reticulato-venosa. Gynostem.

bacī incurvatū clavatū 13mm longū.
Carmen de Patagones (Dr. Berg)

Como me falta sufficiente literatura para la determinacion de las Orquideas, especialmente la obra de Lindl. G. & Sp. Orch. no puedo asegurar si la especie descrita representa verdaderamente una forma hasta ahora desconocida en la sciencia. El Dr. Berg ha traido esta linda planta de Cármen de Patagones.

Ate virens. Lindl. Gen. Wight. Ic.
Maturatte Distr. ad 4000'. p. 309.

Ate acuminata. Thw. l.c. p. 309.

Fol. anguste ~~acuminatis~~ lanceolat. bracteisq. rotundato-ovatis, setaceo acuminatis; pet. linearib. obliquis lacinia anteriore longiore anguste lineari; lab. 3fido lobis linearib. obtusis, lateralib. divergentib. longiorib. calcare clavato, obtuso, ovario pree- sequilongo. c. p. 514.

Hab. Rambodde & above Galagama et Ambalava l. of 4000–5000'

Caulis 1–3 ped. sparse foliosus. Fol. 2–4' long. Flores secundi. Sep rotundata pet. q. pallide viridia. Lab. glabrum fulvum.

This bears a considerable general resemblance to Hab. Heyneana Lindl. but is totally distinct from it.

Thwaites. Enum. pl. Zeyl. p. 309.

Habenaria macrostachya. Lindl. Gen. 307.
Sep. longiuscule acuminata. Petala fere ad basin divaricato - 2fida.
Hab. Hantani; Gardner. C.P. 3197.

Haben. dichopetala Thw. l.c. 984.
Pet. ovat. v. ovato-lanc. acutis, sep. lateral. ovat. acut., dorsali rotundato concavo, pet. 2partitis, sinu lato, laciniis elongatis, setaceis, anteriore angustiore, parum longiore, lab. 2partito laciniis elongat. setaceis. aequalib. calcare cylindrico. parum clavato. subacuto, ovario aequilongo. C.P. 3518.
Caulis 1ped. medio foliat. diminuto infer. squamatus. Spica pauciflora, sep. circit. 3''' longa.

Habenaria ~~[illegible]~~ pterocarpa. Thw. l.c. 309
Pet. lanceol. floris. majuscul. sep.

lateralib. reflex. oblique lanceol. acutis; dorsali paullum breviore, rotundato; sub- aceto pet. aequilonga, faliato-linearia, obtusa, incumbente; labello sepalis 2x longiore, 3partito lob. linearib. lateralib. aculis paullum longiorib. recurvi calcare cylindrico, paullum clavato, obtuso, quam ovarium 6-alatum pero 3plo longiore. c. p. ~~3021.~~ 3201.

Hab. Ramboda, etc. [illegible] of Tea.

Caulis 1½ ped. folios. fol. 2"-6" long. superiorib. gradatim minorib. Flores albidi calcare 3½" longo, pallide-viridi.

[illegible] 3[illegible]

Hab. latifolia Lindl. Gen. p. 321

Hab. Ceylon: Macrae (Herb. Ldl.)

I have not met with this species, nor are there specimens of it in the herbarium.

[illegible]

Hab. plantaginea. Ldl. l.c. Wight. t.17[illegible]

c.p. 817[illegible] Not [illegible] in the last [illegible] [illegible] [illegible]

Hab. crinifera. Lindl. l.c. ...

Hab. Central Province up to an elevation of 3000'.

Platanthera orbicularis. Lindl. Orch. p. 292? Haben. orbitalis R. Br. Prodr. Orchis orbital. L. Willd. IV. p. 17. Flor. Zeyl. N.o 320. c.p. 3202.

Habit. Pasdun Corle at a great elev. Petala ovato oblonga obtusa.

There can be little doubt. Thaima, of this being the Orchis orbit: L. with the description of which in „Flora Zeylanica" it agrees very well; but Lindl's plant would appear to be probably different, since he describes the petals as subulate.

Platanthera ... 310.

Caule ... inferiore, folioso, fol. lanceol. spica ... brevi compacta

... rostris [illegible]. acutissima. ... ris subaequilongis, sep. lateralib. ... lis, subaeq. deflexis dorsali paullum breviore rotundato cucullato, petala lineari spathulata, acuta subaequilonga involuta; labello sepalis lateralib. aequilongo a medio tripartito, laciniis lin. lanceolatis, acut. lateralib. paullum brevior. calcare cylindrico, obtuso porrecto. quam ovarium longiusculum rostratum dimidio longiore. c.p. 3050.

Habit. Above Galagama, at an elev. 4000

Caulis 1-2 ped. Fol. 2-6" long. Flores albi, sep. 3-4" long. calcare 13" longo apice viridi.

Peristylus goodyeroides. Ldl. Orch. 299. Habit. Ceyl. Walker. Herb. Hook.

P. plantagineus. Ldl. l.c. 300.

Wight. Ic. t. 928. Ceylon ... Herb. [illegible]

118. Thw. l. c. 310.
Peristyl. spiralis. Wight. 1696
= P. Lawii Wight. 1695. c.p. 2?6.
(523) Habit. Central Prov. at an elevat. of. 4000–6000'.

Peristyl. aristatus Thw. l.c. 310.
P. exilis. Wight t. 1698. =
P. robustior Wight. t. 1699. c.p. 3081/2373
Hab. More elevated parts of the central provinces, common.

Peristylus brevilobus Thw. l.c. 311.
Caule gracili simplici in superiore subaequaliter folioso, fol. oblongo-lanc. acutis, spica brevi densiflora; bract. ovato-lanc. acut. ovario subaequilongis, sep. pet. q. obtus. his latioribus; lab. obcordato, lobo intermedio minuto. c.p. 3443
Habit. Near Ratnapoora.

Habenaria viridiflora. R.Br. Enum. 309

Wight. t. 1705. Habit. Common in the Centr. Prov. at an elevat. of 5-7000'.

Habenaria dolichostachya. Thw. l. c.

Fol. ovatis gradatim acuminat. ac basi rotundat; spica elongata, bract. ovato-acuminat. floribus aequilongis; sep. lateralib. ovato-lanceol. acut. dorsali parum breviore, rotundato, mucronato; pet. subaequilong. foliat. 2fid. lacinia anteriore nana; lab. 3partito, laciniis [illegible] linearib. angustiss. lateralib. divergentib. pet. aequilong. intermedia parum longiore. c. p. ~~[illegible]~~ 3199.

Habit Rambodde, Gardner.

Caulis 3', medio folios. dimidio inferi vaginat. fol. 2-3" long. superiora minora. Spica pedal. laxiflora. Sep. viridi. 3''' long.

[illegible]

[illegible]

A. Richard. Fl. nov. d'Abyssinie.

Annales d. sc. 2 sér. XIV. 267 ff.

A. pet. bifida.

Hab. ceratopetala. A. Rich. & antennifera A. Rich. bilden (nach A. R.) eine eigne Gruppe von Hab. „la division antérieure des sépales latéraux internes (i.e. petala) est épaisse & charnue, plus longue que le sépale lui-même, tandis que généralement, dans les autres espèces, ~~[illegible]~~ cet appendice est mince & membraneux.

B. Pet indivisa.

Hab. Quartiniana A. Rich.

Les 2 loges de l'anthère à lieu d'être réunies à leur partie supér. & postér. sont libres & distinctes & l'espèce de connectif membraneux qui sert à les réunir forme un rebord membraneux qui se prolonge beaucoup postérieurement & se termine en arrière par un appendice plus épais & plus saillant. C'est en avant de cet appen-

dice postérieur & au fond de l'espèce de godet formé par le connectif que se trouve la prostole ou partie supérieure du stigmate. De cet organe naissent de chaque coté 2 bandelettes, l'une qui va concourir à former la partie interne des canaux contenant les caudicules l'autre qui concourt les 2 processus ou appendices inférieurs du stigmate.

Hab. peristyloides. A. Rich.

H. perist. participe à la fois des caractères des 2 genres Hab & Perist. Comme ce dernier elle a les sépales rapprochés & presque en casque, le labelle épais & l'éperon court. mais elle présente les 2 appendices charnus qui naissent de la region stigmatique inférieure & qui constituent le caractère diagnostique du genre Hab. Il est vrai que ici ces 2 processus au lieu d'être redressés & se suivre plus ou moins —

la direction de l'extrémité inférieure des 2 loges de l'anthère, ils sont couchés sur la base du labelle, avec lequel ils ne contractent [illegible] d'adhérence qu'immédiatement à leur base.

Habenaria (Bonatea) Darwini. Weale Jour. Lin. Soc. 1869. 170.

Habenaria (Bonatea) macilenta Lind. J. B. (Journ of [illegible]) 1843. II. 678

Bonatea Darwini. Maurl. Weale Journ. Lin. Soc. X. 1869 p. 470.

Foliis vagina elongata concavis, racemo denso, sepalis anticis contortis concavis falcato-acuminatis, extrorsum emarginatis prone petala antica depressis, petalorum parte postica lata patente, stigmate supra rabatrorum lateraliter canaliculato.

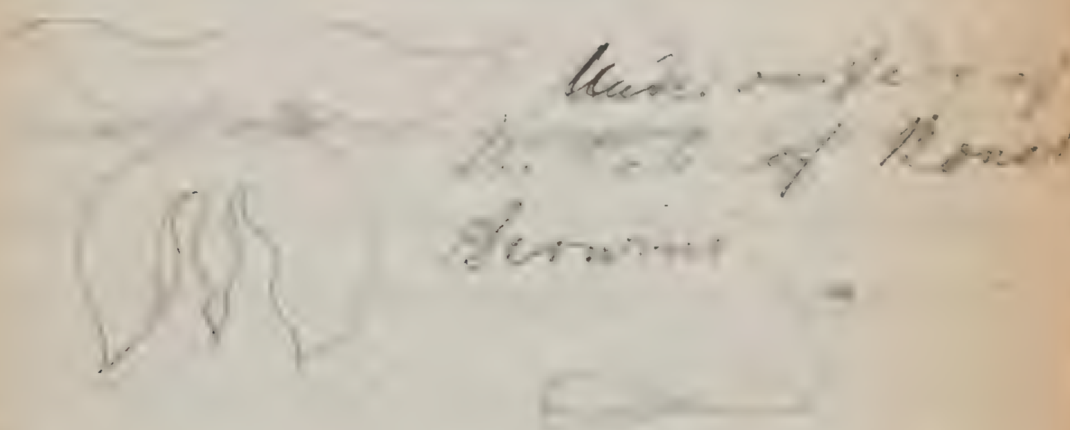
Tubera ovato-oblonga. Caulis 6"–1' altus, undique foliatus. Foliorum vaginae elongatae, caulem arcte includentes; laminae patentes, 2"–7" longae, 2–6''' latae coriaceae, lin. lanceolatae v. ovato-lanceolatae; fol. superiora abrupte ad vaginas reducta. Racemus 6–24 florus, densus. Bract. membran. lanceol. acuminatae, ovaria arcte vaginantes. Flores galeati; galea e sepalo postico concavo segmentisque posticis petalor. anticorum composita; sep. antica contorta, concava, foliato acuminata, extrorsum emarginata, prone petala antica depressa, petalorum pars antica sepalis aequilonga, usque ad basin 2-partita sinu rotundato, segmento

postico lin-lanceolato, sub-foliato, antico lato-patente ad apicem frontem & tergum versus contorto; lab. 2partit. lobo medio angusto, lineari-filiformi verrucis 3 sub inflatis instructo, lateralibus latissimis patentib. foliatis leviter incurvis; nectarium extrorsum curvatum ovario sublongius; Stigma quam in Bonat. speciosa brevius, carnosum supra subextrorsum lateraliterque canaliculatum.

Habit. Bedford in damp hollows on banks near water-courses. Aug & Sept.

Posterior portion of the pet. is tinged with greenish; the rostell. & anthers are also yellowish green. the sep. are bright green & the lab. & under. portion of the petals is pure snow-white.

Allied to B. speciosa of Haben.
(= Bonatea) Saundersiae Harv.
It is also in some respects allied to
B. Boltoni Harv.



Habenaria foliosa Lindl.

Sepalo dorsali cucullato ovali obtuso, lateralibus obovatis deflexis subobliquis acutis, petalis simplicibus multo majoribus late ovalibus acutis obtusis labello lineari ceteris floris foliolis multo longiore sub antheri porrecto, calcare ovarium aequante v. sub longiore

apice inflato, processubus stigmaticis crassis carnosis deflexis, crassibus stigmaticis rectis haud ita longis

Habenaria foliosa Lindl. Orch. 329.

Planta ~~[illegible]~~ robusta adsunt in Herb. Lindl. 2 spec. & unum (foliis destitutum) 33 cm alt. alterum 20 cm altum. Caulis satis crassus e basi foliis crebris vaginantibus ovalibus (non decrescentibus) acutis dense vestitus. bracteae foliis quam maxime similes nec tamen flores aequantes. Racemus densus & multiflorus. ~~[illegible]~~ Ovaria longe pedicellata 5-6,5 cm longo supra curvato, Sepala ~~[illegible]~~ lateralia 7 mm lata 1,0-1,1 cm longa, cal-

car fere 3 cm long. Totum labellum 1.3 cm long. dentis lobuli laterales 4 mm long. Ex. specim. Lindl. in herb. Kew. conservo. — Eastern Frontier E.B. I. leg Henry Hutton.

Habenaria macilenta. Lindl.
Lond. Journ. Bot. 2, 673.

Folio solitario lanceolato patulo vagina foliacea adjecta, caule paullo- bi- vaginato, racemo laxo 3-floro, bracteis foliaceis cucullatis ovario longipedunculato sepalo brevioribus petalis bipartitis, lacinia anteriori ~~....~~ lineari acuminata aequali, labelli 3-partito laciniis linearibus intermedia latiore, calcare pendulo clavato ovarii longitudine

processubus carnosis crassi-
nanis truncatis rostello acuto.
— Demerara.
Kryptead H. pauciflora.
— Nach J. Lindleys eignem
Manuscript zu Kew 15.9.89
copiert. —

Habenaria ocreata. 1 Ind.
Orch. 317.
Benth. Flor. austr. VI. 395.
Habenaria xanthantha. F.
v. Müller Fragm.
Stems slender often above 1'
high. Leaves at the base of the
stem, linear or linear lanceo-
late & acutely acuminate as
in H. graminea. Flowers yellow
in a rather dense spike. Dorsal
sepal & petals erect. obtuse
about 3''' long. lateral sepals

nearly the same length, quite free from the spur. Labellum linear oblong or lanceolate, about as long as the petals & more or less 3-nerved like them, sometimes quite entire, sometimes with lateral lobes short & broad or tapering into a linear point & the 2 lateral lobes sometimes unlike ~~each other~~ each other; spur curved shorter than the sepals. Anterior processes of the column quite free from the labellum & a small lateral tooth on each side between the anther & the anterior processes. Anther cells deeply separated as in H. graminea

H. propinquior. Rchb. Beitrage 53.

13 ✝ Sonnenfigurthum ...
Stamm. Bot. Leopold XIX
1. 13. *laevigata* Lg.
Habenaria ~~...~~
Annal. nat. hist. 1849 II 315.
Habenaria Stendneri
" peltarlay ...
Stendneriana !
Vire 1885
Hab. Jeanneni Philippe.
A. Voffkeu ... Reise
Yemen 1887
Voyage au Yemen
... 1889

Journal of Botany T. 24. 1886. 293. 134

Habenaria eburnea. Ridley

Tubera [illegible] lanata. Folia radicalia bina orbiculata rotundata patentia obtusa. 3" longa et lata. Scapus [illegible] Bract. membranac. 3-4 [illegible] lanceolat. longe acuminatae venosae, fere [illegible] Flores plures majusculi albi, pedicellis [illegible]. Sepalum postic. galeatum lanceolatum cucullatum acuminat. lateralia reflexa obcuneata acuminata obliqua [illegible] 5-nervia. Petala angusta linearia [illegible] simplicia. Lab. trilobum basi angusto, laciniis angustissime linearibus [illegible] acuminatis [illegible]. Calcar [illegible] filiforme [illegible] versus apicem attenuatum. Antice [illegible] acuminata brachiis porrectis

grandiusculis. Pollinia ca-
-udiara pedicellis longis. Ovar.
1½ uncia longum.

Very rare; among bushes;
only 2 specimens seen. Flowers
pure white. Mandra August
1854. – E. Vogel.

Habenaria Wilfordii. Ridley
Planta gracillima 9 uncialis
Folia lanceolata acuminata
uncialia circiter 4. Bracteae
cucullatae lanceolatae acu-
minatae. Flores 2 in apice
(sic) caulis, pedicellis brevi-
bus. iis Hab. croceae paullo
majores. Sepalum posticum
ovatum lanceolatum subacutum,
lateralia deflexa lanceolata
obtusa. Labellum ligulatum
obtusum ¼ unciale. Calcar

filiforme subclavatum pendulum quam ovarium brevius. Ovarium ½ unciale. Anthera brevis, brachia gracilia porrecta v. paullulo recurva. Stigmata brevia crassa subtriangularia truncata, quam antherae brachia breviora.

Sierra ~~Leo~~ Leone. Wilford.

This plant is allied to & resembles closely H. crocea Schweinf. but the flowers are larger, with lanceolate subacute sepals & different shaped stigmatic lobes

Jour. of Bot. XXIV. 1886, 295.

Habenaria Vogelii. Ridley.
(Cultratae)

Tubera 2, majuscula globulosa pedicellata, radices elongatae vix

lanatae. Planta strictim e-
recta bipedal. Folia angusta
, lanceolata, stricta acuminata
6-7 uncialia, ½ unciam lata,
nervosa. Racemus laxus;
flores plures albescentes pedi-
cellati; Bracteae lanceolatae
acutae vix ½ unciales, pedicelli
⅙ unciales. Sepalum posticum
erectum breve lanceolatum
cucullatum: lateralia reflexa
ovario aequalia obcuneata
obliqua obtusa, apice mu-
cronulata. Petala bifida, laci-
lanceol. acuminatae postica quam antica paullo longior. Lab. 3-fid
niae breves lineares obtusae
breve vix stylo aequans laciniae angustolineares
media paullo longior & latior,
Calcar pendulum ovario vix
longius ½ unciale cylindricum
, filiforme truncatum obtusum
vix clavatum. Antherae bra-
chia quam styli breviora;

basi latiora apicibus attenuatis. Styli 1/8 unciae longi gracilis clavato-incrassati, terminali.

In a marshy mountain meadow by Mosa, Mañdra. Aug. 1854. E. Vogel. No. 40.

Journ. of. Bot. XXII. 1886. 295.

Holothrix montigena. n. sp.

Tubera 2 grandiuscula oblonga v. acuta. Folium 1 amplexicaule rotundatum similes uncia longum & latum basi vaginatum. Scapus crassiusculus. 1/2 ped. basi villosus, superne glaber, bracteis pluribus lanceolatis acuminatis 1/4" longis dissitis. Racemus pluriflorus subsecundus bi unciales densus. Sep. postic. lanceolat. pustulat.; lateralia subobliqua lanceolata mucronata. Pet. lanum

...sepala lanceolata ... papillosa. Lab. 3 lob. ... pubescens, lobis lateralib. ... obtusis brevib. Calcar breve ... curv. acuminat. Anthera ... papillosa, brachia brevia curva.

Abyssinia. Gaffat. in dry places half shaded by small bushes at 8400' above the sea. Aug. 25. 1863. Schimper No. 1372.

~~Disa~~

Disa pulchella. Reich. Test.

Debra Tabor Schimper 1316

Journ of Bot. 1886. 24. p. 295/10.

Journ. Bot. 1886. XXIV. 293

Lissochilus Taylori. Ridl.

Pseudobulbus oblongus, ... 2½" longus. Folia anguste linea. 6 in fasciculo, ultra pedalia ¾" lata. Scapus validus

3' basi vaginis pallidis tectos. Vaginae dissitae in scapo 3 lineae 2½" longae. Bract. lanceolat. acuminat. ½" longae. Pedicelli ¾" longi. Flores carnosi mediocres. Sepal. ovat. obtus. 6-nervia ⅝" longa ⅜" lata. Lab. 3lob. laciniae laterales brev. rotundatae, media ½" longa oblong elliptic: obt. crispula, carinis sinuatis parum elevatis 8. Calcar brevis. conic. Columna crassa. Anthera conica obtusa apice fuscata.

Somosu, Ralai hills. Rev. W. E. Taylor Nov. 1886.

L. Wakefieldii Moore & Rolfe.

Grassy meadows near Somosu & Ralai Sept. & at Ralai on the way to Vanda in January. 1886. Rev. W. E. Taylor.

138. Deflers Voyage au Yemen. p. 208.

(Habenaria) arabica. A. Defl.

Bicornella

Glabra, glauca, caule erecto robusto, folioso, foliis basi vaginantibus, late ovato-lanceolatis acuminatis acutissimis, floribus albidis in spica bracteosa pauciflora brevi-sessilibus; bracteis concavis acutis ovario dimidio brevioribus; perianthii phyllis exterioribus aequilongis, erectis conniventibus, postico late lanceolato acuminato complicato, sub carinato lateralibus anguste linearibus acutissimis marginibus postici ante contiguis; seriei interioris phyllis posticis, ut videtur, deficientibus. (nisi perianthio tribuendae laciniae 2 angustissimae lineares lobis

rostelli contiguae ?/; labello
maximo pendulo 3-fido, lobo
medio angusto, crassiusculo
in lacinias anguste lineares
longissimas 5 pinnatisecto, late-
ralibus late triangularibus,
acuminatis acutis, integris
falcatis utrinque divergentibus;
columna cylindracea longiss.
ovarium 2plo superante,
anthera erecta magna bilocularis;
loculis parallelis oblongis-
sima longitudinali dehiscen-
tibus continuo a clinandrio
non distincto. membranaceo
ultra antheras in membranam
obscurum breviter producto;
polliniis in quoque loculo
grosse granulosis; rostelli lobo
medio anthera triplo breviore
late membranaceo, glanduloso-

punctato, minute ciliato, complicato, apice galeato, antice incurvo acuminato acuto lobis lateralibus elongatis parallelis antice arrectis, linearibus antenniformibus stigmatis processibus carnosulis elongatis, lineari-oblongis, parallelis approximatis ungue labelli adnatis & inde carinam duplicem superam mediam simulantibus ultra unguem liberis subclavatis obtusis.

Caulis 4–5 dcm. fol. 10–12 cm long. 3 cm lat. perianthii phyll. ext. post. 3 cm long. 1,2 cm lat. labelli lob. med. (ungue [illegible]) 6–7 cm lateralib. 2.5 cm; anthera 15–18 mm; ovar. 4–5 cm long.

Hab. in vallibus circa Ibb, altit. 1600-1900 m. (Exs. no 659 & 669.

Eulophia schimperiana. Rich.
Tent. fl. abyss. III rett. no 1592.
In vallib. nemorosis medias inter Idiz & Mafhan; alt. 1600-1800 m Exs. no 447 & 613.

Hab. macrantha. Hochst. Rich.
tent. fl. Abyss. II. 294 cli.
In vallibus ad meridiem urbis Ibb; alt. 1900 m. Exs. no 614.

Habenaria linearifolia Maxim.
§2. Tentamen fl. Rossicum p. 142.
Caule folioso, foliis anguste lineari lanceolatis, racemo laxo multifloro, bracteis quam flores brevioribus, sepalis lateralibus patentibus

ovatis deflexis, petalis e basi dimidiato-hastata labello adnatis deltoideo-ovatis erectis, labello unguiculato, cruciato-tripartito lobis lateralibus linearibus apice cuspidato-dentatis v. capillaceo-sublaciniatis: lobo intermedio lineari integro; calcari basi inflato, circiter germinis longitudine.
H. linearifolia Maxim. Primit. flor. Amur. p. 269.
Racemus laxus multiflor. 2-4" longus. Bracteae e basi vaginante latiore subulato-lanceolatae floribus breviores. Flores albidi labello caeruleo (in pl. exsicc.) brunnescentes. Sep. lat. falcato-ovata deflexa 5nerv. sep. sup. cucullato erecto late ovato trinervio paullo longiora. Petala erecta sepalo superiore

aequilonga e basi dimidiato-
hastata labello adnata deltoi-
deo-ovata, apice integra. Lab.
unguiculatum corollam 2-3plo
superans cruciato tripartitum
lob. linearibus lateralibus
horizontaliter patentibus, basi
integris apice praecipue in
latere inferiore cuspidato-den-
tatis v. in lacinias paucas ca-
pillaceis fissis; lobo intermedio
subaequilongo integro. Calcar
germini subaequilongum, basi
clavato-inflatum. Antherae lo-
culi basi in stipitem ascenden-
tem cuspidati. Connectivum
apice obtuse apiculatum, basi
inter loculos antherae in pro-
cessum crassum oblongum
excurrens. — Am mittleren Borneo
bei [illegible], am ob. Lauf d. Danga, Tekon-
borneo & an d. Tuna Mündung am Sungaikai-
[illegible] u Simpti [illegible].

~~Flora Hawaiiensis. 146~~

Hillebrand Fl. of the Hawaii Isl.
p. 432

<u>Habenaria holochila.</u> a sp.
about 2 ft high. Tuber [illegible] for-
[illegible] at [illegible] stem leafy
throughout [illegible] leaves [illegible]
membranous ovate or elliptic-
oblong 4-6" x 1½-2" acuminate
[illegible] sheathing at the base
with 7-8 primary & 5-10 second.
nerves. Flowers all [illegible] in
[illegible] arranged in a long
[illegible] spike [illegible]
than their supporting [illegible]
which are lanceolate, of leaf-like
color, gradually decreasing
in size towards the apex of
the spike. Sep. [illegible]
obliquely broadly ovate 2"
long, all [illegible], [illegible]

long as the sepals, white and suddenly tapering from a broad narrow oval base to a slender linear acuminate or emarginate curved apex. Lip white linear-[illegible] acuminate or wedged in the middle curved surrounding nearly as long as the sepals & provided with a thin sta-[illegible] spur longer than itself [illegible] little shorter than the ovary. Pollen cells nearly parallel. Capsule 6-8" seeds oblong winged.

In boggy grounds on the heights above Makawao; on East Maui, near the [illegible] [illegible] in the pl[illegible] [illegible] of the [illegible], Hawaii.

1876 Geolog. Survey of California
Botany Vol. II by Sereno Watson

Habenaria p. 135

H. elegans (Boland.) Cat. Pl. S.
Fran. 29
= Habenaria [illegible] 135

H. unalascensis Watson
= Spiranthes unalascensis Spreng. Syst.
III. 708
= Hab. Schischmareffiana Cham. Linn. III 32
= Plat. foliosa Lindl. [illegible]
= Gymnadenia [illegible]
= Hab. foliosa Watson Bot.
King Exped. 341.

Hab. leucostachys Wats. p. 134 [illegible]
= Pl. [illegible] Lindl. 288

= H. dilatata Watson
[illegible]
[illegible] III 289 [illegible]
the variety from which the [illegible]
were [illegible] which is the
following

H. sphaeriflora Watson Trans. Linn. Soc. XII. 298 H. Thunberg var. grey l.c.

H. pedicellata Watson l.c.
Vorticella pedicell. mihi

H. hypocrateriformis R. Brown (MS.?)
Vorticella hyp. L.
H. Campana Watson l.c.
Vorticella Camp. mihi
H. gracilis Watson l.c.
Vort. gracilis Linn. 288

Linn. Systema Naturae (Gmelin 1791 vol XIII p. 5.)
Ordo [illegible]
O ~~[illegible]~~ calyce [illegible] [illegible]
[illegible] [illegible] [illegible], [illegible]
[illegible], [illegible] [illegible] [illegible]
[illegible] [illegible]
[illegible] [illegible] [illegible], p. 173 1788

149 *Hakea [illegible] Dielsii*

Folia 2–3 oblonga lanceolata [illegible]
[illegible] superficie apice mucronul[illegible]
lata [illegible]
[illegible]
[illegible] lobulis [illegible]
[illegible] magis [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] lanceolata [illegible]
[illegible]
[illegible]
[illegible] longiore.

I [illegible] petal lacinia anterior
angustior sed non elongata
Herb. [illegible] Fol. 5 [illegible] magis

4" long 1" lat. Sep. [illegible] oblonga petalis [illegible] longiora. Col. apice [illegible] [illegible] [illegible] Glandulae magnae [illegible] [illegible] extrorsae. [illegible] [illegible] Flores albi — [illegible] [illegible] proxima, differt petalorum laminis [illegible], [illegible] [illegible]. [illegible] [illegible] in Coriaceo [illegible] [illegible] [illegible] [illegible].

[illegible]

Hook. Journ. of Bot. & Kew Gard. Misc. III (1851) 344.

[illegible] [illegible] Flora
Hab. bracteata Br. = Peristylus
tab 175
b. dentata Hook = Habenaria
of Bot. [illegible] t. 81
[illegible] = Habenaria
[illegible] = Habenaria
alata
orbiculata = Habenaria
marginata = [illegible]
prolifera Coleb. tab. 135 [illegible]

Journ. Lin. Soc. 1889. XXV. p. 164
Hab. anguiculata? Bol.-us.
Herba glabra erecta 12-18 cm
alt. fol. lanc. acumin. nervata
erecta 2-5 cm longa suspendere [illegible]

Hab. Liriospora 4. Rich. II. 249.
: caule 1½ ad 2' basi vaginato
fol. basi amb. vaginantib.
llis linearib. flores ovariolo
basi vaginante, bracteatis, bra-
foliac. lanceolat. acut. ovarium
aequantib. sep. dors. erecto ovato
fornicat. apice mucronato. lateralis
longiorib. reflexis obliqu-
ovalib. acuminat. planis. sub-
labell. arcuato ... obliqu. ovat.
lanceolat. acut. ... superne
... rub. ... labelli
... ligulam linear.
... longiorem ...
... . Lab. 3partit. lac.
... lanceolat. acut. ... med.
... longior paulo latior, ...
... ovata ... apice ad ...
... ... acuto.

in [illegible] [illegible] [illegible]

Calce.

replicato 7 Lu[illegible]

Habenaria [illegible]

Caule [illegible] [illegible] 1½ [illegible]

[illegible] — [illegible] [illegible]

[illegible] [illegible] [illegible] — [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible];

[illegible] [illegible] [illegible]

[illegible], [illegible] [illegible]

[illegible]; [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible]; [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible]; [illegible] [illegible]

[illegible] — [illegible] [illegible]

[illegible] [illegible] [illegible] —

[illegible] [illegible], [illegible]

[illegible] — [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] farina lateraliter applica-
ti; labello inpendente, se-
palorum lateralium longi-
tudine oblongo angustato a-
pice manifesto incurvo, [illegible]
[illegible] supra basin bine [illegible]
[illegible] aucta, antherarum
[illegible] elongatis [illegible]
stigma [illegible] applana-
tis, [illegible] elongata, [illegible]
[illegible] ovarium [illegible]

Loc. [illegible] Cuba



Fol. 3-4 vaginanti-
[illegible]
long. [illegible]
4-5 [illegible]
[illegible]
[illegible] folia
[illegible] Racem
12-15 flor.

157 [illegible] in Ramon de la Sagra

Rourea polygalaefolia A.R. - Bot. tab. 7[illegible]

Ilex [illegible] A.R. tab 7[illegible]

" [illegible] Lind. tab 7[illegible]

" [illegible] A.R. tab 7[illegible]

" [illegible] A.R. tab 78

" [illegible] A.R. tab 7[illegible]

" [illegible] A.R. tab 80

" [illegible] A.R. tab 81

[illegible] [illegible] Lind. tab 82

[illegible] [illegible] A.R. tab 83

[illegible] [illegible] A.R. tab 84

[illegible] [illegible] A.R. tab 85

[illegible] [illegible] A.R. tab 86

[illegible] [illegible] A.R. tab 87

[illegible] [illegible] A.R. tab 88

Tom 10 & 11 fol. Botanica

[illegible] Atlas of Tab[illegible]

Paris 1855 1845

Habenaria Limosensis. Ridley

Nat. Hand. p. 519.

Tubere oblongo, foliis basalib. 2 ovat. oblongo vaginis & lanceol. longe acuminat. scapo valo gra cili vix 1', racemo laxiusculo florib. circiter 11 parvis; bract. lanceol. acuminat; sep. postico cucullato ovato acuminato, lateralib. lanceol. acut; pet. [illegible] angustiorib. lab. obcuneato breviter 3 ilobo, basi pet. sep q. adnatis; callo cr[illegible] asso semicirculari, lob. lateralib. lat. medio brevi [illegible]o, calc. scrotiformi, apiculate, columna brevissima, anthera lata loculis [illegible]; pollin. grosse granulis; caudiculis brevib. stigmate breviter lobo. — Ha affinity with H. [illegible] Wight. Ich. Plan. [illegible]

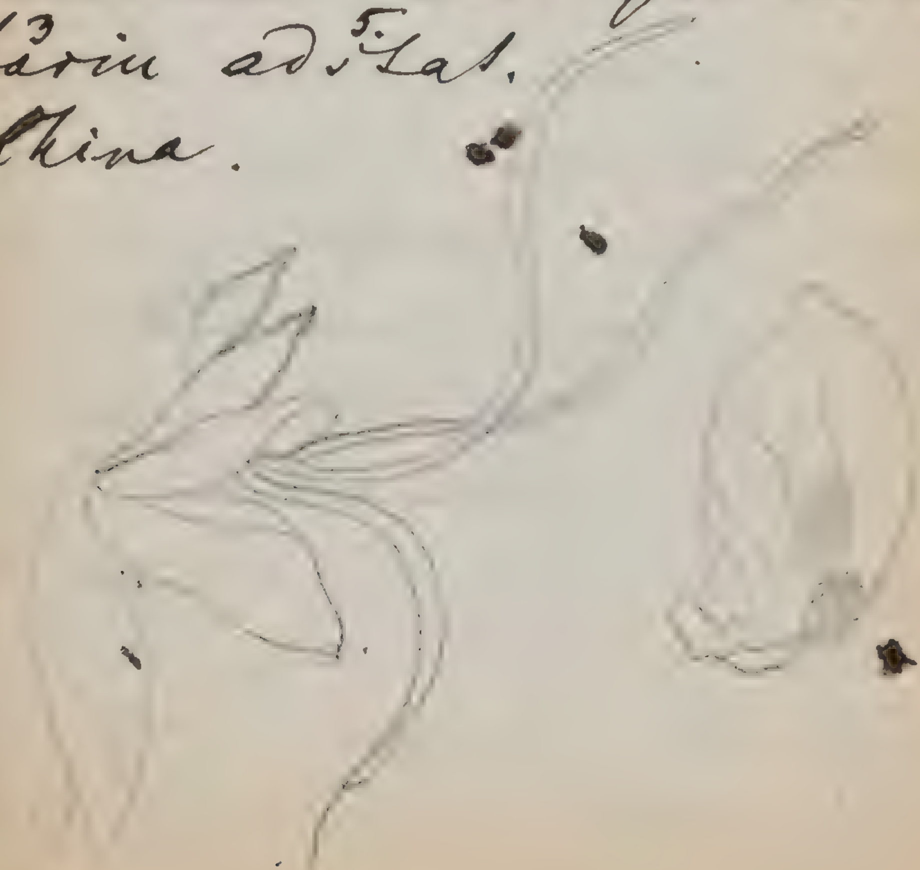
158

Bot. Reg. 1824. pt. 862.

Glossula tentaculata. Lindl.

Tuber fusiformis simplex. Fol. radicalia caulina plana ellipt. basi amplexicaulia, sub 5 nerv. horizont. glaberrima. Scap. c. sect. vaginat. Flor. spicati pa. herbat. vix spiral. sed secundi. Bract. ovat. acuminat. ovarii longitud. Ovar. tort. angulis, sepal. exterioris. oppositis, costatis. Sep. in galeam conivent. ovato ellipt. aequalia interiora palli diora. Lab. c. basi columnae con. at. 3partitt lacinia interm. lingulata aequali longiore, dependente lateralibus multo longioribus porrectis varie flexis filiformibus, disco inter sinus laciniarum gibboso, calcar sepalor. longitudine

ovale inflat. compress. ad
collum contract. Anth. brevis
terminata ovata ~~teres~~ erecta
persistens 2locul. loculis discretis.
Gynizus area madida infra
antheram superne in processu
inter loculos erecto convoluto
antherae fere longitudine
deorsum in cucullo 2 desinente
producitur. Tuberculum gra-
nulosum utrinque ad antheram
basin adstat.
China.





Hab. sepalinata A. Rich

Vid. fl. Abyss. II 296

Caule [illegible] ped. fol. [illegible] lan-

ceolat [illegible] Racemus simplex [illegible]

[illegible]. Flor. [illegible]

[illegible], [illegible]

[illegible] sepal. [illegible]

[illegible] Rio [illegible] fev. 1847

[illegible] glandulosis ovariumque
pedicello aequantibus sep. sup-
[illegible] labelli
alterum petalo-sepalis oblongo
acuminatis [illegible]
[illegible]
[illegible] oblong. [illegible]
[illegible]
[illegible] appendic-
oblongo lanceolato oblong
[illegible] lateribusque [illegible]
[illegible]
[illegible] 2 [illegible]
[illegible] intermedio oblongo
lanceolato [illegible]
[illegible] labello ovario
oblongo [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] III [illegible] 1845.

160 Proceed. of the American Acad. of Arts & Sciences. New. series IV whole ser. ~~XIX~~ XII. Boston. 1877.

Journal of Bot. 1885. XXIII

" " " 1876

Journ. Lin. Soc. 1886 XXII, 9, 14

For. Analog. Bork.

1 Watson Bot. of Califor. II. 1[illegible]

1 [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] 285

[illegible] [illegible] [illegible] =

[illegible] [illegible] =

[illegible] foetida [illegible] =

[illegible] [illegible] [illegible] =

[illegible] foetida. [illegible] [illegible]

7 [illegible] [illegible] [illegible] 151

[illegible] [illegible] [illegible] 289

[illegible] [illegible] [illegible] [illegible]

4 Hab. sparsiflora Watson 117
Habenaria
Trans. Am. Acad. XI. 276 =
H. Thurberi var. Gray Co.
5 H. pedicellata Watson Co. 117
6 H. hyperborea R. Br. ? 117
7 H. Cooperi Watson Co. 117
8 H. gracilis Watson Co. 117
? = bract pedicels — Trans.
Amer. Acad. XI. 276 #

Flor Amer. Hemsl. p. 25
Hab. micrantha Hemsl. ref.
Fol. oblongo oblongis v. lin.
oblongis obtusis, sep. deflexa
lanceolata, calcar clavata
curvato ovarium brevium
subaequante, bract. 3-5-nervis

162 In montanis alt 1500 ...
1' Tot. inf ad vaginae ...
2 internodii magna ellipsoi...
superiore ... in basi ...
flore parvo ... viresc...
... et ... Gymnadenia ...
... stellata



G. longibr...

... Flora ...
... longibract ... and
Indian ... Lon...
... XXXI. Platanthera

Kalan. Gazette 1887, p. 63
Hab. ... Javelana
...

Hab. Garberi. Porter. Herba
-uncit 1' et more kaya bituberculata
-f diam. Caulis foliatus. Fol. ob-
long.-lanceol. Racemus brevi-
-ungue ...floro. Bract. lanceol.
acuminat. ovario aequilong.
Flores viridi-flavescentes —
sep. lato ovata lateral. refle-
...xa, sep. bipart. post.
...ad involuta-filiformia
...acuminata, postica longiora
...acuminata. Lab. perigon. longe
lineare, a basi lata angusta-
ta obtus., calc. filiformi
ovario aequilongo v paulo
longiore 6-9'''.
Florida p. Manatee leg. Garber
A. 315

 Anal. Sc. nat. III Sér. Tom III. 28.
I. Sepala simplic. Lab. 3 partit.
Hab. adenantha. Rich. Gal.
Subglandulosa; fol. elliptico-lanc. florib. viridib.-glandulos. sep. internis lanceolatis appendix lineari angustissimo; labelli lobis linearib. glandulosis calcari inflato ovarii longitudinal.
Hab. difusa. Rich. Gal. p. 28
Hab. acutiflora. Rich. Gal. p. 29
Foliis ovato-obl. strictis, florib. parval. albidis, sepalo supremo lanceolato acutissimo dorso glanduloso subcristato labelli laciniis lateralib. linearib. longioribus, intermedia linguaeformi lanceolata.
Hab. lactiflora. Rich. Gal. p. 28
Hab. alata. Rich. Gal. p. 29
Caule angulato subalato; fol.

ellipticis decurrentibus; flor. viridibus sepalo supremo concavo dorso trialato; labelli lobis lateralibus, intermedio linguaeformi obtuso.

Hab. spathacea. Reich. Gal. p. 29.
Caule auripili vaginato 2floro bracteis longis spathaeformib. florib. viridib. labelli laciniis lanceolatis, calcari longissimo scrotum inflato.

Tepala simpl. labell. simplex

Hab Orizabensis. Reich. Gal. p. 29.
Fol. ovali-acutis. florib. viridib. parvulis. appendice lanceolato vix sepalo longiore, labello linguaeformi angusto, obtuso, basi dilatato.

II Sepala inter. exappendiculata
a labell. integrum

H. brevilabiata Reich. Gal. p. 29.

Fol. lanceolatis, florib. viridibus, labello oblongo emarginato obtuso.

Hab. stricta. Rich. Gal. p. 29 Foliis lanceolatis strictis, florib. parvulis viridibus, labello oblongo obtuso calcari recurvo brevi.

b. labell. tripartit.

Hab. virens. Rich. Gal. p. 29 Fol. elliptico-oblongis acutis, florib. viridib. numerosissimis sepalo superiore galeæformi medio dilatato, sepalis internis spathulatis; labello lobis lateralibus acutis intermedio dimidio brevioribus.

Platanthera nubigena. Rich. Gal. p. 29.
Parvula, fol. elliptico-oblongis florib. albido-virescentibus, labello lineari obtuso.

P. longifolia. Rich. Gal. p. 30.
Fol. lanceolat. angustis, florib. viridib. labello lineari, calcari inflato.

P. Ghiesbreghtiana Rich. Gal. Fol. lanceolat. acut. florib. viridib. numerosis, labello lanceolato crasso subacuto.

Gymnadenia neottioides R. Gal. p. 30.
Caule sesquipedali, fol. lanceolat. acutissimis, florib. viridib. labello oblongo lanceolato crasso obtuso.

p. 30

Gymnadenia propinqua. Rich. Tal.
Caule pedali fol. lanceolatis
angustis florib. viridibus
minimis, labello oblongo
integro obtuso, calcari
gracili longo.

Spanoghe. Prodr. Florae Timorens.
Linnaea XV p. 477 – 478. (1841)

Habenaria mutica Span. Ti. No. 32
Sepal. exterioris. lateralib. re-
flexis, interiorib. apice c. sep.
dors. conniventib.; lab. 3 part. laci-
niis ~~lateralib.~~ linearib. media
breviore, calcare quam ovarium
2plo longiore; foliis lin-lanceolat.
Comp. Bot. Mag. T. 357. (1835) non. Lindl.

p. 478.

Haben. cornuta. Span. Ti. N. 35
Sep. exteriorib. lateralib. patenti-
reflexis, interiorib. lin- recurvis;

sep. dorsali rotundato-concavo
erecto; lab. 5-partito, laciniis
linearib. media elongata recurva,
calcari quam ovarium breviore,
bractea germinis longitudine
lanceolata, foliis sub undu-
latis. (Comp. Bot. Mag. I. 351, 1835. nom. tant.)

Haben. carinata. Spreng.

Sep. exteriorib. lateralib. pa-
tenti-erectis; sep. dors. [illegible];
lab. 3part. petaloideo, lacin.
aequalib. sepalo laterali
paulo longiore, lacinia media
supra carinata, calcari
ovarium subaequante; fol.
late lanceolatis amplexi-
caulib. acuminatis glabris sub
germinis subtus albicantibus; brac-
tea carinata germen aequante.
Spicis elongat. glabr. angulato-sub-
[illegible]

110 Hab. viridiflora. Spr.
Sep. exterioribus horizontali-patentibus excavatis; labello 3-partito, laciniis aequalib. sepala aequantib. surrecum crescit; calcari qu. ovarium multo breviore; bractea carinata germen subaequante, spicis alato-angulatis; fol. oblongo-ovatis obtusiusculis glabris amplexicaulibus.

Willdenow. Sp. Plant. IV. p. 44.
Habenaria. Willd.
Corolla pentapetala ringens petalo superiore fornicato. Labellum basi subtus calcaratum. Anthera terminata. Cornua 2 staminiformia erecta ad basin antherae.

Hab. macroceratitis W. p. 44
Orchis Haben. L. Sp. pl. 1331.
Amoen. Acad. V p. 408.

Hab. brachyceratitis W. p. 44.
„Cornua bina erecta filiformia apice subcapitata ad basin antherarum Habenariam ab Orchide satis distinguunt."

Gard. Chron. 1868 p. 572.

Miltonia festiva Rchb. f.

Aff. M. spectab. Ldl. Bracteis a vaginis remotis argute carinatis acutis, sep. tep. q. oblongis illis obtusis his acutis, labello cuneato-flabellato bene acuto, carinis in basi geminis rufinis velutinis, interjecta carinula breviori, venis radiantib.

112

pubesulis columnae alis semiovatis crenulatis apice acutissimis. — Pedunc. 2flor. Flores speciosi illis Mult. spectabilis aequimagni. Lab. carneo purpur. venis 11 radiantib. a basi in discum. Carina media flava. Columnae alae atropurpureae.

1865 von Lüddemann Paris an Rf. gesandt. Vielleicht Bastard von flavescens × spectabilis. Wird beim Trocknen nicht rot wie M. flavescens zu thun pflegt.
M. cereola Lem. Illustr. hort. tab 446 = M. Reguellii Rf.

Gard. Chron. 1880. I. 264.

Angraecum hyaloides. Rchb.

Pusillum, habitu A. ~~cirrhati~~ citrati, fol. cuneato-oblongis oblique acutis, racemis brevissimis; flore 1 evoluto. bracteis 2-3 superioribus omnibus 3angulis brevissimis. sep. tep. q. oblongo-ligulatis obtuse acutis, labello oblongo calcari filiformi apice clavato ovarium pedicellatum excedente, polliniorum caudicula simplici.

Ex Madagascar imp. cl. Veitch.

Über dieselbe Art ist Gard. Chron 1881. I. 136 gesagt, dass die Blütenstände bis zu 11 Blüten gebracht hat.

177 Gard. Chron. 1868. p. 125.

Oncidium macropus. Rchb. f.

aff. Onc. cimicifero. Rchb. f. labello utrinque basi obtusangulo, callo depresso a basi cuneato utrinque tridentato denticulo interne utrinque basin versus a carinula interrupsa in linea media columna utrinque apiculata.

Bulbs not to be distinguished from those of Onc. macranthum. The flowers are very botanical. The flowers are yellowish with few transverse blotches of bars.

Ecuador introd. b. Linden.

Gard. Chron. 1868 p. 125.

Oncidium porrigens. Rchb. f.

aff. Onc. Trullae. Bracteis triangulis minutis sepalo dorsali late unguiculato oblongo obtuse acuto;

sepalis lateralibus longius
...iculatis dum cuneato oblongis
obtuse acutis longioribus, sub
sepalo summo subaequalib. ai ...
natis; labello hastato triangu
lo, callo breviter pulvinato sub
quadrato utrinque 2lobo, cari
na per medium papulis 2
anteposticis, 2 postposticis, et
columnae pede constricto alis
subnullis.

Sep. & pet. dark chestnut brown
with honey-coloured ends. Lip
cinnamon bearing an orange
coloured callosity with some
deeper spots.

New Granada coll by Klum.

176 Gard. Chron. 1868. p. 208.

Laelia albida

α var Tuckeri

grandiflore sep. pet. q. amethystinis, labelli lacinia antica purpurea, carinis 2 a basi in basi laciniae anticae evanescentibus

β. var. ~~B~~ brunnea.

Flore minore sep. pet. q. cinnamomeis, labelli lacin antic: cinnamomea, disco albido flavido reliquo labello ac columna albidis purpureo striolatis carinis 2 a basi labelli in discum laciniae anticae.

γ. ochracea.

Floribus adhuc ~~min~~ minoribus sep. pet. q. pallide ochraceis lab. lacin antica pallide ochracea reliquo disco ac columna albis

purpureo striatis rotundis ... venimis omnibus ... ... labelli in discum laciniae ... ibi carinato radiantibus.

Gard. Chron. 1868. p. 786

Odontoglossum retusum Lindl. var. Latro.

Pseudobulbo oblongo, diphyllo, foliis cuneato oblongis acutis pergameneis pedunculis validis parce vaginatis apice ramulis fracti-flexis; bracteis spathaceo-ovatis acutis inferiorib. longiorib. pet. sepalo summo subaequalib. labello obl. panduratio, antica parte angustiore retusa apiculata, callo depresso lato antice dilatato serrato, col. brevi tabula ~~fove~~ foveata utrinque producta ala minuta apice antrorsa utrinque.

178

26. Od. rostro g... ...ruo re-
dis labello apiculato auriculis
... columnae. Ibid.
Od. latro Rchb. f in litt ad i. Backhouse
Ecuador gathered by the
collector of Mr. Backhouse.

Gard. Chron. 1868. p. 786.

Thrixspermum luniferum. Rchb.

Foliis — racemo elongato, pilis
abbreviatis hispido, florib. nume-
rosis paulo distantib. bract. triangulis
acutis 1-nerviis, perigonio vali-
extus puberulo, sep. lep. q. ob-
long. obtusiusculis. labello a basi
dilatato a columna abrupto
antice 3fido laciniis lateralib.
angulat. lacinia media brevissima
~~puberula~~ 2lobata. callo semi-
lunari retrorsum papilloso.
postposito, sacco didymo retu

ricivalo sulcata utrinque deorsum filifera.

Sep. Pet. q. ochracea disco cinnamomeo. lab. alb. striis radiant. lob. brunneis; callus rufus dorso centro flavus; col. apice citrina antice rufo picta. cau dicula ligulata glandula qua drata. ovarium cinnamome um; peduncul. viridis.

Burma [illegible]; cf. Bot. Mag. 7044 [illegible]
[illegible]
The geogr. range of the genus extends from Nepal to middle Eastern Australia.
[illegible] [illegible].

Gard. Chron. 1868. p. 842.

Stanhopea xytriophora. Rchb. f.

Hypochilio brevissimo angulato saccato; carina laterali altera sola evoluta, altera lentum

dimidio antico mesochilii con-
bus faliatis, canali antico ape-
epichilio rhombeo obtusangu-
lato apiculato basi unigibbero
columnae alis medium usque
decurrentibus alulis obtusan-
gulis brevibus.

The hypochil is shorter than
in any known species even
shorter than in St. saccata &c.
from a side view almost tri-
angular. The mesochil is nic-
ly curved & with large horns
& the epichil is rhombeo ovoid
with a tumour at its base.
A very remarkable species.
Peru.

Gard. Chron. 1868. p. 842.

Brassia thyrsodes. Rchb. f.
(verrucosa) paniculata sepalis
ligulatis acuminatis petalis

inaequalib. vix breviore.
labello ima basi angulato aequa-
liter oblongo acuminato ima
basi angustato, crispulo lamellis
binis hamatis. basi rotundatis
antice angulat. lamellis extan-
gulis 2 antepositis.

Very much like Br. peruviana
R. f. Rchb. Yellow flowers with
greenish spots. Introduced from
Peru bei Mr. Veitch & Sons.

Gard. Chron. 1868. p. 842.
Spiranthes Smithii. Rchb. f.
(Sarcoglottis § Gutturosae)
Pedunculo pauciflora minutis-
puberulo, bracteis ligulato acu-
minatis paucinerviis, ciliatis
parce puberulis ovario sub-
humidis aequantib., ovario arcu-
ato subrecto, sepalo summo

ligulato oblongo sep. lateralib. subaequante in ovarium descendente separa[...] [...]rin angulum efficiens pet. ligulato rhombeis, lab. lin[...] apice trilobo, lob. lateralib. [...] ral. angulat. lobo medio dilata[...] transverse acuto ungue puben[...] basi juxta unguem sagittato, columnae rostello ligulato, retuso.

In the way of Sp. picta [...] near Sp. cerina & lobata Yellow or brownish. found near Cartago in Costa Rica coll. by M. Smith collect of orchids

Gard. Chron. 1868. p. 1014.

Dendrob. microglaphys. Rchb.f.
Aff. D. adunco. Wall. Labello cunea[...] to ima basi excavato pandura[...] ante medium utrinque denticu[...]

inflexo antice incrassato,
obl. apice 2dentata basi foveata
fovea basi intus minute plicatula:
Caules secundarii fusiformes articu
latis ultra pollicarib. costatis,
spithamei; fol. oblong. ligul. acumin.
racemi bene laterales, 6 racis oval.
acut. membranac. amplis; florum
tela validiuscula, calcar spurium
obtusum, dorso & ventro gibbum
ovario pedicellato subaequale.
sep. dors. triangul. sep. lat. subae-
qualia; pet. rhombeo-obl. sepalo
dorsali paulo longiora; flores
albi striis radiant lib. purpureis 5,
3 a basi in discum labelli, ex-
ternis 2 brevioribus.
Stems a span high. Intro-
duced from Borneo 1865 by
Stuart Low.

184

Gard. Chron. 1868. p. 1114.

Coryanthes elegantium. Rbr. f.
Hypochilio ungue et columnae
obtusangulatae hypochilio ipso
aperto oblongo laminaeformi
mesochilio explicato, epichilio
Coryanthis speciosi.

Rio Negro. introd. by Wallis

Gard. Chron. 1868. p. 1313.

Stenia fimbriata. Lind. & Rbr. f.
Ebulbis, foliis cuneato-oblongis
acutis, pedunculis erect. 1-flor.
flore membranaceo-pellucido
mento obtusangulo, sep. ligulat.
acuminat. pet. obl. obtuse-acut.
crenulat. labello flabellato obl.
3lobo, lob. lateralib. obtusangul.
lobo antico producto retuso,
mucb. fimbriat. callo depresso
2dentato in disco, in carinam abi

obliqua retrorsum extendente vallis partis numerosis universalis antepositis; columna clavata utrinque sub androclinio angulata — Collected by Schlim. Wagener & Blunt. New Grenada

Gard. Chron. 1868. p. 1338.

Trichopilia grata. Rchb. f.

Aff. Tr. fragranti. Pseudobulbis elongat. ligulat. ancipitib. 1phyll; fol. obl-ligulat. racemis paucifloris elongat; bract. ligulat. obtuse acut. plus minus extens; sep. pet. q. linearib. acut. labello ima basi adnato oblongo obtuso utrinque emarginato hinc sub 4 lobulo, carina membranacea a basi in discum ibi obtusangulo abrupta androclinii limbo fimbriato, foveae brevis oblique prominulo, anthera antice retusa vel simpliciter apiculatis

belongs to Trichopilia & com[illegible]
bines the growth of Tr. albida [illegible]
with an inflorescence in the
way of that of Tr. laxa.
Flow. yellowish green with a
white expanded lip, having
a yellow blotch at each side
of the keel at its end orange
coloured. Very sweet scented
Introd. from Peru b. Veitch

Gard. Chron. 1868 p. 1338.
Oncid. (Leptotilum) xanthodon. Rchb.
aff. O. zebrino. Panicula amp[illegible]
bract. spathat. ovariis pedicellat.
5x brevioribus; sep. longius ungu[illegible]
culat. obl. acut. marginib. su[illegible]
tilissime crenulat & undulat.
pet. brevius latiusq. unguicul[illegible]
supra a basin subhastat. obl.
acut. crenulat. labello a basi[illegible]

trinlea basilaria attenuato.
ligulato acuto apiculo recurvo
~~utrinque~~ denticulato crispulo
ima basi fornicato juxta
basin utrinque plano trian
gulo viridi laterali, callo
baseos rostrato mediano
lamella retusa obliqua utrin
que, carinae media ligulata
angulis adventitiis utrinque
columnae cynicolli sub
fovea baccata, aliis trianguli
minutis utrinque juxta foveam.

Resembling Onc. serratum
Flowers smaller deep chocolate
brown with a very thin yellow
limb around sep & pet. The lips
of dark brown colour with shining
yellow crest & yellow apex. The 2
vivid triangular side-plates of
the lips are very peculiar

Hab. South America. Introd. [illegible]

Habenaria. W. 1805 Spec. IV. 44
Poiret. 1821. Dict. XX p. 185.
Sprengel 1826 Syst. III. 688.
" 1831 Gen. II. 652.
Rbr. f. Webb. (1850) Canar. III. 306

Linnaea. XXXIII (1864/5) p. 239.
Habenaria brachyceros. Phil.
H. foliolis calycinis lateralib. deflexis, laciniis petalorum latelinum recurvis; labelli 3fidi laciniis setaceo-linearibus calyce vix longioribus, calcari obtuso calycem vix superante, ovario multo brevioribus. Anal. Univ. Chil. 1861 I p. 59.
Prope Vallenar inv. H. Volckmann. Tuberculum quod in 1 speci. adest. elongat. 8''' long. 3''' crass. Caulis fere usque ad apicem foliatus,

fol. inferiora fere 2" long. 5"' lat.
superiora sensim in bracteas
transformantur. Spica circa
10flora laxa elongata. —
H. Germainii mihi simillima
sed facile calcaris brevitate
distinguenda.

Hook. f. Antarctic Flora II. 350.

<u>Chloraea magellanica. Hook.!</u>

Labello ovato cordato obsolete
trilobo, breviter unguiculato mar-
ginibus inflexis glandulis grossis
elongatis stipitatis cristato, axi
sublamellato, lob. lateralib. sub
laceris intermedio producto api-
ce subdilatato obtuso incrassato
nudiusculo, sep. lateralib. linear.
ultram medium incrassatis apice
obtusis carnosis marginib. inflexis
petalis ovat. obtusis sepalis ½ brevio-
ribus

spica triflora, scapo foliato

Strait of Magellan, Elizabeth Isl. leg. Ch. Darwin.

Planta 1–1½'. Folia basi long vaginantia, lamina ovato-lanceolata, sub-recurva. Bract. ovato-lanceol. acuminatae, membranac. concavae. Flores erecti sup majusculi speciosi. Sep. obl.-lanceol. omnino nuda superiore obtuso, lateralib. linear supra medium sicrilate nigres centib. omnia petalaque venosa & transversim venulosa. Lab. coriac. recurv. marginibus involutis petalis aequilongum. Col. petalis paulo brevior arcu — A perfectly distinct & very handsome spec. confined in its habitat to that eastern portion of the Straits of Magellan, where, a

Mr Darwin states the Floras of Fuegia & Patagonia are blended. ibidem p. 351.

Asarca ~~[struck out]~~ Kingii Hook f.

Labello breviter unguiculato oblongo obtuso indiviso integerrimo nudo membranaceo nervis mediis vix incrassatis, sepalis lateralib. lanceol. acumin. apicib. simplicib. Pet. obl.- ~~[struck out]~~ obovatis obtusis sepalis labelloq. paullo brevioribus. spica 6-8 flora.

Hab. Straits of Magellan. Port Famine, woods Capt. King.

Herba pedal. Fol. radicalia 6 uncial. lanc. acumin. Scapus foliatus. Spica 2-4" longa. Bract. ovat.-lanc. acumin. membranac. concavae. Flores pro genere parvi flavi. Sep. vix ½" longa venosa membranacea. lanceol. lateralibus

laxi angustiorib. Pet. sepalis paulo breviora. Lab. sepalis aequilong. omnino indivisum. Col. brevissima.

Grisebach Symb. ad flor. Argent. Götting Abh. XXIV. 339.

Chloraea biserialis Griseb.

Caule folioso, fol. ovat. v. ovat. obl. acut. racemo laxifloro, bract. ovarium aequantib. perigonii segmentis obl-lanc. apice acu- tiusculis transversim venosis exterioribus interiora et labellum parum superantib. lab. obovato apice breviter 3lobo, lob. lateral. rotundatis, medio productiori et angustiori ovato obtusato; verrucis clavato-obtusis v. subglobosis atris biserialib. seriebus secus medianum labelli a lobo

medio (ubi distantiores) ad basin
unguis usque productis.

Aff. videtur Chl. membranaceo.
Caulis 1–1½' basi vaginato aphyll.
folia 4–2" long. 1½–1" lat. racemus
3–5" long. pedicellis 1–1½" long.
ovario sub anthesi cernuo,
perigonii segmenta (sicca subaeq.)
exteriora 8''' interiora 5–6''' lat. 5'''
verrucae 8–10 in utraque serie.
pr. Cienaga.

Hamburg. Gart. Ztg. 1857. p. 313
<u>Catasetum triodon. Rbh. f.</u>
Aff. Catas. Trullae sep. obscure
serrulatis, carina rhombea
superne crenulata antice uni-
dentata longitudinali ante dentem
validum ante apicilarem, apice
labelli etiam lacero, androclinii
limbis lateralibus dentatis–

197 Aus Guatemala von Herrn Cons. Schiller eingeführt von Herrn Stange cultiviert.

Haml. Gart. Jtg 1857 p. 314.

Oncidium Crocous. Kbr. f.
(Ciliata)

Aff. Onc. longipedi Ldl. labelli brevi unvali callo velutino triangulo medio contracto in processum 2lobum, utrinque suppositâ lamella excurrente, corniculo adventitio utrinque remoto in disco lobi lateralis, gynostemii alis crenulatis subtriangulis. — Sep. dorsale cuneato-oblong. acut. undulat. apice flavum. Sep. lat. subaequalia, longiora per tertiam in unguem connata. Sep. antice latiora ceterum breviora. Omnia colore aequali

labelli lobi postice medio carinato-~~...~~ fornicati, ovali, basi angustati; lob. medius ob cordatus, apice emarginatus; subsessilis, unduli-marginatus, isthmo dentatus, pulcherrime aureus, toto disco triangulo atrosanguineo, antice lineis dentatis, callus albidus macu lis atrosanguineis. Tabula infra stigmatica utrinque angulata, apice medio sulcata. Fovea utrin que limbo incurrente triangulo, rostell. brevissi. retusum. Ovaria pedicellata sesquipollicaria Bract. tertiam pollicis longae acutae. Pedunculus 2 florus.

Zwar nicht grösser als ein gut gezogener Ont. ~~...~~ uniflor. allein durch das schöne Goldgelb u. d. tief schwarzpurp. prächtig abstechend. Fleck auf d. Lippenscheibe ~~...~~

Gart. d. Cons. Stüller vultis von
H. Stang.
Heimat nicht angegeben.

Hamb. Gart. Ztg. 1857. p. 314.
Rodriguezia Stangeana. Rchb. f.
Aff. R. secundae. H. B. K.
Labello ligulato retuso basi vix
angustato ante basin utrinque
angulato, lamellis senis trise-
riatis imbricantib. et tumore
ante basin, corniculis infra-
stigmaticis abbreviatis.
Inflorescentia flores vultu
germ. R. secundae. Gynostem.
et labell. valde diversa. Rostell.
longius quam corniculi infra-
stigmaticis, corniculi laterales
minuti. Caudicula linearis medi
tenuior nec apice attenuata ut
in R. secunda.

über Bulb. u. Bl. sowie über
die Herkunft fehlt l. c. jegliche
Angabe.

Hamb. Gart. Ztg. 1857. p. 313.
Calanthe veratrifolia R. Br.
var. stenostila Rchb. f.
Ovariis abbreviatis, labelli parti-
tionib. angustis, calcari quam
ovarium quarta breviori, apice
minus ~~bil~~ bilobulo.
Gewissermaßen in d. Mitte zw.
C. veratrifolia u. furcata
Möglicherweise eigne Art.
Moabit. Borsig [illegible]

Hamb. Gart. Ztg. 1859 p. 51.
Dendrob. (Pedilonum) heterostigma Rf.
Aff. D. secundo, calcari spurio
medio inflato, dorso angulato,
lab. lineari spathulato, apice

obturinoreale carnoso, margi-
bus involuto, membrana angu-
lata incisa ante basin, in cal-
caris medio adnato(?)(adnata me
judice!) gynostemii cornubus (an-
galis) acutis simpliciss. fovea
rotunda! — Flores illis D. se-
cundi majores, pulchre ame-
thystini, calcari albido. Stig-
mata quaterna!

Schöner als die schönsten Abarten
des D. secundum. Amethystfarbe
d. Bl. brennend!
Java!

Hamb. Gart. Ztg. 1859 p. 51.
Saccolabium trichromum. Rchb. f.
Aff. S. rubro & paniculato.
Racemus brevi foliis 2plo breviore
calcari subcylindraceo ovarium
pedicellatum subaequante, lobis

lateralib. erectis semiovatis lobo medio triangulari brevissimo lamina triloba sub basi lobi medii.

Planta exaltata pluripedalis Fol. spithamea linearia apice aequi- s. inaequi-2loba. Racem. densiflor. Bract. abbreviatae Sep. obl.-ligulata. Tep. ovato-ligulata. Omnia albido-flavida. Calic. ejusdem coloris striolis purpureis quae et in labello intersit sepalis extus reperiendae.

Eine wenig ausgezeichn. gefärbte Art deren langspornige Blt. dicht neben einand. gestellt sehr an die der viel graciöseren S. Wightian. erinnern.

Aus Ostindien (ubi?) eingeführt von Consul Schiller.

200. Hamb. Gart Ztg. 1859. 52.

Trigonidium turbinatum Rchb.

Pseudobulbis 8-costatis turbinatis brevib. approximatis; folio obl-lanceolata basi lata sessili; sep. obl. lanceol. acutis apice reflexis; tep. obl. acutis 3nerviis; labello ligulato basi angustato antice trilobulo, lobo medio semiovato incrassato, carinis geminis a basi in medium ibi subito incurvis.

Von Rio eingef. durch H. Schill...

Hamb. Gart. Ztg. 1859. p. 52.

Pleurothallis foetens Lindl.

Caulis secundar. firmus 2quetr. antice longitudinaliter impressa. Fol. carnosiss. cuneato-obl. medio latiss. apice attenuat. 2lob. emarginatum. Spatha brunea

straminea sicca nervosa abbreviata. Racemi brevis. gemini. Axis crassus. Bract. vaginiformes retusae c. apiculo. Ovaria & perigonia extus velutina. Sep. ovata acuta lateralia mento bene prominulo omnia margine ciliata intus verrucosa. Pet. ligulata acuta columnam aequantia brevissima. Lab. cuneato-obl. acut. lateribus a basi in medium carnoso ~~ela~~ ~~vatis~~ elevatis. Col. brevis semiteres androclinio membranaceo marginato margine ciliato. — Flores extus pallide flavi basin versus atropurpur. Sep. intus aurantiaca, lateral. basin versus atropurp. Sep. impar atropurp. 3-lineatum a basi in medium; paginae interiores verruculosae. Pet. albida linea

202. media atropurp. Lab. atropurp.

var b. Hoffmanieggiana.

folio longiore angustiore optime ornato.

-St. Hoffm. Linnaea 1848.

Heimat nicht angegeben.

Hamb. Gart. Ztg. 1859 p. 53.

Epidend. bahiense. Rchb. f.

juxta Ep. longicolle. Flores prope Ep. cornuti.

Sepalis ligulat. acut. sepal. linearib. acut. labello tripartito partitionib. lat. rhombeis, part. mediana lancea callis semiovato-ancipitib. in basi, carina obscura interjecta, androclinio denticulato.

Bl. 2½" l. ½" br. Blt ½ so gross wie die der Ep. longicolle, gelb grün röthlich angeflogen. Lippe weiss.

Bahia.

Hamb. Gart. Ztg. p. 1859. p. 53.

Lockhartia verrucosa. Rbch. f.

Aff. L. lunifera ...

Labelli 5-partiti callo basilari non lunari sed hexangulo depresso, antrorsum gyroso, callo inter lobos medianos magno multipapuloso quadrisulco.

Fernandezia verruc: Lindl. Herb. Msc. Fol. angusta attenuata apice obtusata minimo cum apiculo. Racem. terminalis multibracteatus. Bract. ovatae acutae basi cordatae. Ovar. pedicellat. bractea sua multo longius. Sep. ovata apiculata deflexa. Tep. obl. c. apiculo. Labelli partitiones posticae semifalcatae retusae, mediae 3angulae porrectae partitio antica cuneata dilatata undulata 2fida. Gynostem. lunelli-

mamma

204. Alae triangulae magnae bini lobatae.

Bet. nanking-gelb. Lippe auf Grund u. Mitte vielfach purpurgefleckt u. gestreift. Säulenflügel fein purpurfleckig.

Von Joinville eingeführt durch Cons. Schiller.

Hamb. Gart-Ztg. 1859 p. 54.

<u>Mormodes histrio Linden & Rchb.</u>

Aff. M. lineato Bat. (Warscewiczii Klotzsch) Sep. pet. q. non undulatis labelli laevis trifidi laciniis lateralib. falcat. tortis, lacinia media lineari acuta

Pedunc. subpedal. Spica pluriflora Sep. & pet. lanceo-acumin. atropurp. lab. aureum. Col. alba? Flores illis M. lineati aequales.

Tabasco leg. Ghiesbreght – bl[üht] bei Herrn Linden.

Hamb. Gart. Ztg. 1859 p. 54.

Bifrenaria leucorhoda. Rchb.f.

Aff. Bifr. vitellinae. Lindl. Labelli callo depresso utrinque adnato nec libero basin versus labelli nec intra lobos, labello cuneato dilatato medio utrinque obtusangulo, lobo porrecto. ligulato retuso.

= Bifr. vitellina Rchb.f. Ldl var leucorhoda Rf.

Racemosa, flores candidi, Radii labelli antici purpurei. Tuber cirrumsparsa.

Hamb. Gart. Ztg. 1859. p. 55.

Maxillaria pentura. Lindl.

Pseudobulb. ovoid. ancipit rugosis. Fol. cuneato-ligulat. acut. ultra pedale. Pedunc. sub spithameus trivaginatus rufus. Vaginae artae

apice acutae intra purpureae supra virides purp.-punctulatae. Bractea aequalis convoluta ovarium aequans. Mentum parvum. Sep. et Pet. ligulato-acuminata ultra 2" longa. Lab. breve unguiculatum cordato-obl. acut. limbi postici erecti pari antica excavata cucul-leata; tumor carnosus a basi usque ad apicem partis quartae labelli antice prolixio; Color pallide citraceus, ~~tumor~~ callus sulphureus antice ruber; lineae rubro-violaceae obscurae radiatae utrinque in latere. Gynost. semiteres incurvum rostell pronum rotundum excisum. Fovea rotunda. Androclinii limbus minutissimus carina in medio. Pollinia 4 per paria incumbentia in glandula obscura oblonga sessilia. Anthera galeata.

Sep. & Pet. sternförmig fast 3" lang
porzellanfarbig. Lippe hellbraun
Schwiele citronengelb. Säule weiss
unten mit gelben Streifen

Hamb. Gart-Ztg. 1859. p. 56.
Eria eburnea Rbch. f.
Aff. E. hyacinthoidi Ldl. Racemo
densifloro, grandifloro, labello trilobo
lobis lateralib. semifalcatis obtus.
lobo medio semiovato limbo invo-
luto disco laminae lato ligu-
laris utrinque calloso, linea callo-
sa verruculosa introrsa utraque
canalem per lineam mediam
permittente, antrorsum in tri-
angulum exsiliente, callosita-
tem supra lobos lobulares
exiens, basi lobi medii callosa.
„Ceratium eburneum."

Caulis paucipollicar. cylindrac. vaginis fusc. nitid. dense vestitus. Fol. lin-ligul. plus quam pedalia basi canaliculata sat carnosula. Racemi ex axillis squamarum summarum sol. tarii axi puberuli. Bract. squamaeformes minutae. Ovaria tomentosula brevia. Mentum valde obtus angulum. Sep. ramum obl.-ligulat. Pet lin. ligulata. Lab. gynostemii superposum, lob. lateral. erectis lobo medio deorsum refracto. Gynostemii pars libera semiteres. Fovea suborbiformis. Androclinium impressum pronum inter auriculas. Rostell. acutum. Anthera mitraeformis pollinia haud omnino tegens.

Dicke u. gross-blütige Traube Bl. schneeweiss rosa an d. Lippe etwas gefleckt.

Hamb. Gart. Ztg. 1859 p. 56.

Evelyna lepida. Rbch. f.

Aff. E. cephalophorae. Rf. Bracteis lanc. acuminatis, flores sulphureos longe excedentib. labello obovato fimbriolato serrulato callis lamellis geminis contiguis.

Caulis atrofusco pilosus. Folior. vaginae hispido-setosae pilis de basi verrucosa deciduis. Laminae a basi rotundata oblongae acuminatae plicatae, utrinque praesertim infra hinc pilosulae summae bracteaeformes. Bracteae antheri roseopurpureae.

Deckbl. rosig angehauchte Blt. gelb

210. Hamb. Gart. Ztg. 1859 p. 56.

Oncidium pentecostale. Rchb.

Aff. Onc. Kappleri. Labelli disco utrinque ante auricular macula velutina tecto, callo baseos ex lamellis geminis oblong. lobulatis antepositis dactylis collateralib. 5, geminis aliis utrinque ante sinus dactylorum medii et lateralium gynostemii fovea utrinque sub rostello subrostrato angulo utrinque insiliente, foveae basi dentib. 2 insilientib. tabula utrinque angulo minore exiedente supra majorem, alis oblong. acut. lobulatis.

Habitus Onc. sphacelati. Panicula 8pedalis. Ramuli 2-3 flori Bract. spathaceae acut. ovario pedicellato 3x breviores. Flor. viridiflavi. Sep x sep. dense castaneo-tess

lab. flav. discus brunneum, lobo medio omnino replicatum in cucullum. Alae flavae maculis castaneis.
„Rio."

Hamb. Gart. Ztg. 1859. p. 57.
Laelia irrorata. Rchb. f.
Aff. L. Schillerianae. Sepal. obl. lanceis labelli laevis trilobi lobo antico ovali crispo basi utrinque semicordato lob. lateral. obtusangulis magnis. – Bastard?
(möglicher weise Bast. von Catt. Schilleriana × intermedia)

Hamb. Gart. Ztg. 1859. p. 57.
Maxillaria plebeja. Rchb. f.
Nulli affinis, caulescens vaginis sub bulbos fuscis aridis lanceo-triangulis ante imbricantibus,

bulbo ligulato (utrinque bis impresso) folio ligulato bene acuto ovario pedicellato brevi basi imbricatim plurivaginato, bractea triangula ovarium superante; sep. ovat. acut., tep. ligulat. acut. lab. oblongo medio obscure trilobato circa limbum minutissimum ciliato-denticulato, callo oblongo a basi in medium abrupto venuisto.

Pseudobulb. vix 1" long. Fol. ultra pollicare vix 3''' lat. basi complicat. sub apice extus carinat. Anthera carinata carina serrata. Flos ochroleucus luteus, labello densius sep. tep. que rarius atropurpureo punctatis.

Brasilia (ubi?)

Hamb. Gart. Ztg. 1857. p. 58.

Angraecum monodon Lindl.

Racemi abbreviati Axis quasi moniliformis. Internodia altero latere apicem versus clavato incrassato altero foveata. Bract. hyalinae superiores brevissimae infimae amplexicaules. Perigon. tenue hyalinum. Sep. ligulata obtuse acuta, pet. angustiora. Lab. ovat. a basi latiore rotundatum, apice retusum minute trilobulum, limbo crenulatum, callo dentiformi retrorso retuso in basi, calcar conico cylindraceum ancipi ovario longius. Gynost. clavat. androclin. semirotundum utrinque angulat. antice medio in processum rostriformem expansum; fovea rotunda. Caudiculae geminae clavatae, glandu-

una; pollinia depressa margine interno perforata.

Hamb. Gart. Ztg. 1859. p. 58.

Octomeria petulans. Rchb. f.

Aff. O. tridentatae. Lindl.

Folio cuneato obl. acuto. flor. fasciculat., lab. lato ante unguem humerato, utrinq. plicato insiliente 3lobo, lobis lateralib. semiovatis semirhombeisve, lobo medio obl. ovato rhombeove apice minute tridentatulo, carina obliqua utrinq. ante sinum lobor. lateralium & medii lobi; lineis elevatulis supra nervos.

Fol. in basi infra violaceum. Flores flavi, labium (sic!, non pictum.

Hamb. Gart. Ztg. 1860. p. 14.

Erioglossum minax. Rchb. f.

Aff. E. javanico. Labelli lobo medio appendice apiculari simpliciter acuta nec bidentata.

Fol. obl. ligulat. apicem versus constrict. imo apice abrupte apiculat. 4-5" long. 1/2" lat. nitid. obscure-viride punctulatum. Sep. obl.-ligulat. acuta. Tep. cuneat. obl. acuta. Labelli lamina carnosa fornicata, lobi laterales semiovati antrorsum ovato-semifalcati, lobus medius triangulo-hastatus; anguli lateral. angusti divaricati, angulus anticus lamina cornea tridentata invidente, dentes 2 postici retrorsi, dens anticus deflexus; callus apice retusum depress. rhomboeocylindraceum ovarium subaequans.

 tumor sub gynostemio, tum impressus inter lobos laterales. Gynostem. clavat. antice utrinq. involut., fovea oblonga. Anthera depressa, inflexa. Pollinia triangula ovata extus bipartita. Caudicula linearis sub apice utrinq. angulata, infra utrinq. cruze (sic!) ligulato.

„Java" hort. Schiller Hamb.

Hamb. Gart. Ztg. 1860. p. 14.

Colax modestior. Rchb. f.

Aff. C. viridi. Labelli lacinia antica apice involuta lateribus antrorsum faliata, anthera plano-depressa, fovea pentangula. Sep. obl. obtuse acuta viridia. Tep. cuneato-obl. acuta viridia disco mediano ligulato b[illegible]. Lab. albid. disco lobi

antice & inter lobos laterales coeruleo-violaceum. Gynostem. alb. linea transversa triangu la striolata interrupte viola cea sub fovea.
Guatemala? teste Schiller Hamb.

Hamb. Gart. Ztg. 1860 p. 15.
Sarcanthus termissus. Rchb. f.
Aff. S. pallido. Ldl. Panicula pauci ramosa gracilenta, sep. pet. q. per medium atropurp. striatis. labelli lobis lateral. semiovalis apice uncinato-inflexis, lobo medio ligulato obtuse acuto. foliis latis ligulatis apice inaequalibus.
Pedunc. atropurp. viridi-guttulatus. Sep. obl. obtusa. Tep. subaequalia. Calc. subcompressum apice retusiusculum; septum in ima basi. callus triangulus postice sub fovea;

 Rostell. parv. triangulo-promi-
nulum. Sep. & sepp. viridia, sep.
brunneo striata, lateralia nunc
bistriata, impar unistriatum.
Lab. albid. purp.- maculatum.
"Java": hort. Schiller.

Hamb. Gart. Ztg. 1860. p. 15.
Dendrob. esuriens. Rchb. f.
Aff. D. Sarcantho Ldl. Caliari
ex tinctoriiformi ovarium sub-
aequante, bracteis acutissimis
lanceis ovario pedicellato brevi-
oribus, lab. obl. trilobo, lob. later.
triangulis, lobo medio ovato anto
crenulato, isthmo interjecto an-
gustissimo, nervis 3 mediis inter
lobos laterales vix elevatis.
Pseudobulbi cylindracei,
½" usque 1" longi. Folia cuneato-
ligulata acuta tenuia usque

pollicaria ⅓" lata, pauca.
Pedunculi capillares fracti-flexi tenues pollicares s. 1½" apice 3-4 flori. Flores illis D. chlorops-ra baequales albi, nervi laterales loborum lateralium labelli virides.

„Java"

Hamb. Gart. Ztg. 1860. p. 15.
Physurus lamprophyllus. Linden & Rchb.
Fol. obl. acuminat. spica secunda, calcari clavato attenuato antice sulcato, labello ovato antice triangulo, hinc ligulato utrinq. a basi medium usque lobato.

Fol. usque 2" nitidissima. Caulis supra folia squamis lanceis multi-vestitus. Sep. ligulata convexula. Pet. obl. acutiuscula ovalis albo-lanceo

in medio, dum alii oculi in bas. sepalor. exlus. Rostell. bifalce more Georchidis. Anthera oblonga ligulata per verticem cristata. Pollinia ligulata.

Bahia. Porte. Eingeführt von Linden.

Hamb. Gart. Ztg. 1860. p. 15.

Pleurothallis perplexa. Rf.

Aff. P. pictae Ldl. Foliis obl. basi bene cuneato attenuatis minutis racemo 3floro, sepalis obtuse acutis inferiore minute ac perobtuso bidentato, sep. rhombeis, lab. ligulato obtuso, nervis lateralib. crassiuscul. columna apice utrinque acutangula media postice tridenticula.

Ab affinib. speciel. differt fol. minutis ubique pauc. ma

culatis. florib. obtus. sepalo inferiori binervi, dorsali trinervi.
Patria? imp. Schiller Hamburg

Hamb. Gart.-Ztg. 1860. p. 15.
Maxillaria hypocrita. Rchb.
Aff. M. pallidiflorae.
Pseudobulbo obl.-pyriformi (demum sulcato) petiolo unisulcato pseudobulbum 3x superante, bract. lin. lanceis ovarium 3gonum aequantib. labello antice trilobo, lob. lat. oblongangularis, lobo medio triangulo obtuso, carinis 5 in disco.
Blt. denen der M. pallidiflora gleich gefärbt, aber grösser.

Hamb. Gart Ztg. 1860. p. 177
Acriopsis intermedius. Rchb.
Aff. A. setaceo Bl. Tab (nec Bl. Choix d'Orch, nec Bl. Flora Jav.) laciniae

 labelli laterali triangula magna; dentib. unguis laciniae mediae utrinque 6–7, callis in calcaris dorso mediano geminis semiellipticis antrorsum lobulatis, appendice antecolumnari obtusangula infra medium emarginata nec quadrata.

Steht in d. Mitte zwischen A. sebaceus Bl. A. Friederici Augusti Rf. & Roxburghii Lindl. Bei Bl. stehen denen d. letzten 2 Arten [illegible]. Garten d. H. Schiller. Hamburg.

Hamb. Gart. Ztg. 1860 p. 178.

Schomburgkia gloriosa. Rbch.

aff. Sch. crispae Ldl. Sert. Orch. 1838. Labello ante unguem cordato plicis insilientib. ceterum ovali obtuse acuto lateralib. antice undulatis, callo abrupto

ante basin in carinas 3
plicatas excurrente, addita u-
trinque carinula elevata, gyno-
stemio ante basin angulato.
S. crispa Ldl. Bot. Reg 1844 (xxx)
tab. 23 .. 5
S. marginata Hook Bot. Mag. 3729.
Perigonii sep & tep. ligulata
margine undulata pulchre castanea
lab. alb. antice roseum, striolis
amethystinis in basi venis ame-
thystin. macula flava purp.
punctulata in basi. Gynost. alb.
punctulis purpureis.
A peraffini Sch. rosea recedit
sep. melius undulat. labelli
carinis tantum 3 non 5, la-
mellis lateralib. extus non
ramentaceo excurrentibus.

224. Hamb. Gart. Ztg. 1860. p. 178.

<u>Trigonidium callistele. Rchb. f.</u>

Pseudobulb. ovalib. obtuse ancipitib. utrinq. obsolete 3costat. fol. ligulat. obtuse acut. prope 2pedalib. pedunculo spithameo; sep. 7-nerv., tep. a cuneata basi obsolete lyrat. acut. 3-nerviis, nervillis lateralib. quibusdam abruptis; labelli trilobi lobo antico dilatato carnoso papuloso. carina ligulata apice dilatata a basi ultra medium. anthera postice obsolete carinata.

Ab omnib. recedit foliis longiss. Sep. viridi-lutea nervis atropurp. illis Tr. latifolii subaequalia, cuneato oblonga acutata. Tep. vix pollicaria hyalina nervis atropurp. apice atropurp. carnosa. Lab. hyalinum nervis atropurp. ramulosis. Gynos-

stemium flavum angulis pulchre atropurpureo limbatis.

Eine Art von Aussehen der Tr. ciu minatum dort ist die Blt. grösse Färbung ziemlich gleich. Gestalt u. Nervung d. Tepalen sehr ausgeprägt.

Hamb. Garten Ztg. 1860. p. 179.

Pleurothallis glanduligera Ldl.

Caulis secundarius semiteres antice canaliculatus. Fol. cuneato obl. apice minute bicuspe valde carnos. circa limbum atropurpureo irrorat. prope 2" longum 1" latum. Spatha pergamenea abbreviata. Pedunculus vix pollicar. biflorus alabastro tertio obsoleto. Bract. vaginiformes ovario pedicello breviores. Perigon. externum valde carnosum supra nervos prominulos velutinum bilabiatum; ima

 basi subconnatum mentulo prominulo; sep. superius obl. ligulat. longius; sep. lateralia connata apice minute ac inaequaliter bidentata nervo utroque mediano carinato. Pep. plus duplo breviora, hyalina, trinervia, rhombeo-acuta, lateribus superiorib. lobulata. Lab. breve unguiculat. oblongoligulat. subtrilob. in basi utrinque auricula retrorsa minuta lineari brevissima; lobi laterales supra lobum medium transcendentes linea seriata exasperati; lobus medius productus multipapulosus. Gynostem. gracile clavat. utrinque angulat. prone foveam.

Blt eigentümlich. Die ob. Lippe länger als d. untere: Longgelb. ... ...

Hamb. Gart. Ztg. 1860. p. 179.

Lycaste pleiochroma. Rbch. f.

Aff. L. macrobulbo. Sep. obl. acutis, lateralib. ima basi minute puberulis, sep. ovat. acut. lab. ligulato angusto, ante medium utrinque lobato, lob. obtusiangulis, lobo antico ovali, callo lineari a basi labelli ante basin lobi medii, apice tridentato, columna antice vix tomentosa.

Sepalen grünlich Petalen gelb rothbraun punktirt. Lippe gelb. Liddemann. Paris.

Hamb. Gart. Ztg. 1860. p. 179

Lockhartia floribunda. Rbch. f.

Aff. L. eleganti. Fol. obturatis labelli auriculis basilarib. triangulis divaricat. abbreviat. lobo medio quadrilobulo, isthmo

aequali profundo, callo depresso subquadrato medio penicillato in basi, disco papulis pluriserialis a basi ultra medium, columnae alis serratis denticulatis.

Eine gelb-braune niedliche Art ähnlich d. L. elegans. — Garten d. Prof Frege Altmannsdorf b. Leipzig

Hamb. Gart. Ztg. 1860 p. 179.

Zygopet. (Warscewiczella) Lüddemanniana Rb.

Aff. W. cochleari. Labello rotundo porlice utrinque angulato numerato, crista multiplicata in basi, plicis medianis erectis, lateralib. obliquis, omnib. ab uno ad alium angulum baseos labelli, columna angulata.

Bl. milchweiss. Lippenmitte schön violett. — Herr L. Lüddemann.

Hamb. Gart. Ztg. 1860 p. 179.

Cymbidium madidum. Rchbf.

Racem. pendulus multiflor. bract. squamaeformes plurimae. ovaria bracteis ultra 10x longiora. Sep. obovata obtusa. Tep. obl. obt. Lab. angustum medio minute bilob. lobi laterales acutanguli antrorsi, lobus medius ovatus, totus discus inter lobos laterales et lobus medius pulposus, carinae geminae callo interposito vixi distingui possunt. Gynostem. clavatum retusum.

Paris. Lüddemann. ♃ in Herb. J. Lindleyo.

Hamb. Gart. Ztg. 1860 p. 180.

Pleurothallis supervacanea Rf

Caulis secundarius teretiusculus

230. subspithameus. Fol. obl. bene carnoso-coriaceum 4" long. 2" lat. Spatha magna anceps ultra 1½". Racem. pendulus a spatha basi involucus. Flores racemi 3. Bract. ovat. acut. membranac. breves ovariorum pedicellis breviores. Perigon. membranac. Sep. dorsale lanc. inferius subaequale latius. Sep. lanceo-cuspidata supra basin superiorem obtusangula. Labelli lineae 3 elevatulae. Gynost. gracile apice retus. Rostell. product. retus. Ligula retusa sub fovea. Pollinia 2.

[illegible] auf den Bau d. Lippe mit P. pedunculata völlig übereinstimmend. Hort. Schiller Hamburg.

Hamb. Gart. Ztg. 1860 p. 180.

Laelia cinnamomea. Rchb.f.

Umbellato-racemosa, bract. lanceo-linearib. scariosis. florib. subcoriac. labello trifido basi cuneato, lacin. lateralib. semiovatis lacinia media obtuse rhombea. Pedunc. pedalis plurivaginatus sursum roseo-violaceus guttulis viridulis inferne viridis. Vaginae apice acuminatae, scariosae, pollicares. Ovaria pedicellata subpollicaria. Perigon. cinnamomeo-cupreum. Sep. dorsale ligulat. Sep. lateralia falcata. Pet. latiora, longiora obtusiora, undulata. Color labelli candidus, venae in basi purpureae, lacinia media purp. Gynost. semiteres, carina basi utrinque apice lato [illegible]

androclinium pauci-denti
~~Labium~~ culatum. Pollinia
inaequalia.

Blt so gross wie die d. Laelia
peduncularis. Hülle zimtbraun
Lippe weiss u. lila.

Aus Brasilien von Herr Schiller
eingeführt

Hamb. Gart. Ztg. 1860. p. 280.

Acineta chrysantha. Lind.

Aff. A. cryptodontae. Ld.
Sella turrica stipitata oblique
ascendente apice ~~retrorso~~ usc quadrata postice dilatata 7-dentata
dentib. externis – uncinat. inflex.
dente prostrellari ligulato deflexo
puberulo, carina sub columna
transversa.

Flos extus A. erythroxanthae
more luteus. Unguis labelli car-

nervus canaliculatus puberulus; alae dolabriformes, alis retrorsum extensis; lobus medius canaliculatus ligulatus limbo deflexus; sella lurrica supra descripta. Color luteus guttulis purpureis. Columna clavata alis 4gulis, limbus androclinii ~~dent~~ denticulatus, villi antice sub fovea, in dorso, in lateribus.

Erschien mitten in einem Ex. von A. Humboldtii in d. Sammlung des Herrn Booth. – Beschreibung von Morren „fabelhaft". Abbildg. desgleichen. cf. Walp. III.

Hamb. Gart. Ztg. 1860. p. 280.
<u>Coryanthes Feildingii. Lindl.</u>
Sep. impar cuneato-ovat. acut. Sep. lat. lato-ovata semisigmoidea. Tep. falcata semisigmoidea. Label.

337. unguis semiteres lateribus
angulatus, cupula cyathiformis
antice triloba lateribus sericea.
genu bigibbum calvum, unguis
intus profunde canaliculatus
utrinque laminis 5 semiovalis
superpositis, gibberibus 7-15
inter utramque seriem intus.
corpus labii saccatum basi
retusum, laterib. superiorib.
expansis, deorsum semiovalis
apice tridentatum, dentib. la-
teralib. uncinat. dente media a
basi latiori ligulato retuso.
Gynostem. carnosissim. e basi
tenuiori clavatum, apice incurvum.
utrinque alatum, ala angusta
apice semiovata, paries antice
protrusus subcanaliculatus; an-
droclinium utrinque inflexo
unifalce, rostelli processus ligu-

latus columnis. Pollinia oblonga depressa, caudicula ligulata incurva, utrinque alato-marginata; glandula biloba utrinque faliata.

Garten der Senator Jenisch Hamburg.

Hamb. Gart. Ztg. 1860. p. 281.

Aerides jucundum. Rchf.

Aff. A. quinquevulneri.

Callis in calcaris pariete antico 2 acutis, supposito in medio tuberculo tertio, tuberculis 2 in pariete postico inferioribus.

Fol. anguste loratum apice 2lob. lobis obtuse angulatis, sinu interjecto lato; 1" lat. 6–7" long. Racem. pluriflor. vernissimus. Sep. alb. apicib. amethystina. Sep. [illegible] obl. ...

lateralia semiovata. Tep. cuneato-ovata. Lab. trifid. laciniae laterales curvo-dolabriformes, margine denticulatae, lacinia media denticulata ligulata. Calcar curvo-conicum adscendens.

Mitgetheilt vom Autor der A. quinquevulnerum aus Java von Reteméyer importiert.

Hamb. Gart. Ztg. 1860 p. 281.
Notylia tamaulipensis. Rchb.f.
Sepalo utroque lanceol. acuto inferiore apice bidentato, apicib. 2 revolutis, tep. lanc. acut. labelli ungue carinato brevi in laminam transgrediente lamina obtusatotriangula apice carinata, gynostemio brevi recurvo.
Pseudobulbi ligulati ancip-

piles vix semipollicares. Folia a basi cuneata obl. sub spithamea. Pedunculi recurvi multiflori pendul. ovariis arcuatis quam bracteae plus 2plo longioribus. Sep. albo viridula. Pet. alba macula 1 aurantiaca supra basin. Lab. alb. gynostem. alb. Anthera viridis.

Similis N. incurvae a qua recedit labelli basi ovata nec cordata apicibus sepalorum recurvis nec crisis & carina in labellum transgrediente. Et N. aromatica recedit carina labelli sepalo inferiore tridentato nec bifido.

Eingesandt von Tantoyuca (sic!) in der Huasteca (sic!) im Staate Tamaulipas, Mexico. Im Garten d. Herrn Kridelsdorf. (Buckau bei Magdeburg?)

Hamb. Gart. Ztg. 1860. p. 281.

Laelia elegans Houtteana. Rbchf.

Recedit a specie genuina labelli lob. lateral. rectangul. lobo medio longe cuneato apice dilatato 3lobo crispo.

Hülle hell lila. Lippe weiß. Seitenlappen Mittellappen & Spitze purpurn

Hamb.-Gart.-Ztg. 1860. p. 282. (X 420)

Laelia Stelzneriana Rbchf.

Aff. L. purpuratae sep. lanceol. cont. non undulat, labelli lob. lateralib. in lobo medio brevissimis subretusis.

Blühte bei van Houtt.
Bisweilen mit viel längerem Mittellappen

Hamb. Gart. Ztg. 1860. 281.

Aerides Fenzlianum Rbchf.

Omnia A. Dowlneri sed calcari obtusiore, callis geminis 3 in perid

-naliaris antico, carina trian-
gula deorsum sinuata in par-
te radicaris postico.

Cuming n. 2142.

Hamb. Gart Ztg. 1860. p. 281
<u>Cattleya guttata Prinzii. Rbf.</u>
Eine Abart mit ganz rosiger
Lippe & schönem purpurnem Mittel-
lappen sendete M. Liddemann. Prinzi

Hamb. Gart. Ztg. 1860. p. 420.
<u>Laelia eurspatha. Rbr. f.</u>
Sep. lanceis acutis, pet. lancio-
nb. crenulatis, lab. trilobo, lob.
lateralib. obtusat. lobo medio
producto semiovali bilobo valde
crenulato ac minutissime un-
dulato, columnae androclinio
sinuato exciso.

Rbr. hält die Art für eine Hybride

von L. Boothiana so passende Cattl. intermedia od. einer ähnlich. Art. „Sie dürfte am besten neben L. Boothiana stehen"
cf. Reichenbachia I 17 tab. 8.

Hamb. Gart. Ztg. 1860. p. 420.
Eria barbarossa. Rbch. f.
Aff. E. de Vrieseanae.
Foliis oblongioribus spicis congestis 2floris, bract. ovat. concav. calicari obtuso abbreviato, labello cum basi excavata constricto, spathulato, apice obsolete trilobo, lobo medio emarginato cordato, lineis a basi 2 hirtis parallelis ante isthmum forcipatis, in lepeato apice callo duplici hirto.
Folia, caulis, bract. pedunc. omnia pilis rufis tecta. Flos flavo roseolus. Antherae violaceae.

Hamb. Gart. Ztg. 1860. 420.

Bletia Ortgiesiana. Rchb. f.

Pseudobulb. cylindrac. articulat. mono- triphyllis, fol. ligulatis coriaceis limbo pellucido crenulatis, ped. racemoso florib. tenuibus illis Bl. verecundae aequalib. sep. triangularis, sep. ab ungue ovatis labello supra carin columnae adnato a basi cordata subquadrato, emarginato dilatato polliniis certe 8.

Jamaica? Cuba? Bot. Gart. Zürich

Hamb. Gart. Ztg. 1860. p. 421.

Gongora pleiochroma. Rchb. f.

Aff. G. retrorsae. Hypochilio basi cuneato, venim in unguem acrem- li- arcuatum transeunte, callis basilarib. erectis, excisura inter aristam & angulum sat magna, processu falciformi sub arista emargi-

retrorsâ, callo in basi epichili magno.

Gesandt von K. v. Warscewicz, blühte bei H. Mathieu.

Hamb. Gart. Ztg. 1860. 241.

Angraeci. gladiifolium. Pet. Th.

Sep. impar ligulat. acuminat. Sep. lat. falcato-ligulata. Tep. ligul. acuta. Lab. obl.-ligulat. acuminat. limbo hinc minus undulat. concavo complicatum. Calcar filiforme ovario longius. Gynostemii abrupti rostelli processus laterales semiovati cum lobis pronis postigmaticis connati. Pollinia sphaerica, superne sulcata, in caudicula lancea sessilia. Anthera gibba postice apiculata, antice biloba.

Hort. Schiller.

Hamb. Gart. Ztg. 1860. p. 421.

Eria bicolor. Lind.

olim Dendrob. bicolor. Lind.
Pseudobulbi clavati incrassati apice oligophylli. Folia cuneato ligulata acuta spithamea. Pedunculus basi squamatus apice biflorus, terminalis. Bract. concavae ovatae acutae. Perigon. hyalinum. Sep. obl. acuta lateralia in mentum obtus. connata. Pet. oval. acut. Lab. late semiovatum 3lob. lobi laterales acuti angulati, lobus medius semiovatus, superficies furfuracea; dentes 2 supini in medio disco antepositi carinula. Columna semiteres basin versus dilatata processum parvo conico in basi aurantiaca, furfuracea. Flos valde fugax. — Ceylon

fort. Schiller.

244. Hamb. Gart. Ztg. 1860. 422.

Oncidium advena. Rchb. f.

Macropetala.

Sep. unguiculatis, sep. ampliat. labello basi utrinque rectangulo, dein paulo constricto, antice subito reniformi examplicato, callo baseos ~~5 gyrato~~ quinquegyrato elevato, callo antepósito quinquelobo lamelliformi, fovea utrinque introrsum unidentata, alis angustissimis linearib. basi libera acutis.

„Caracas" hort. Linden.

Hamb. Gart. Ztg. 1860. 423.

Aerides quinquevulnerum candidissim.

Hat eine fast grüne Lippe. Vielleicht identisch mit A. pallidum Bl.

Hamb. Gart. Ztg. 1860. p. 423.

Bolbophyllum Schillerianum. Rf.

Pseudobulb. parvis cylindrac. a squamis magn. maculat. tectis, fol. crassissim. lanc. acut. florib. e squamis exeunt. fasciis, solitariis, mento minuto, sep. semiteretib. intus usque apicem versus excavat. sep. minut. semiovatis, labello a basi bis humerato ovato antice angustato lanceo, lateribus a basi medium usque ciliato, gynostemio trireto, seta tertia dorsali, anthera mitrata superne solida, polliniis 2 minutis.

Rhizoma (crassum) calamum corvinum v. ~~crass~~ Pseudob. 3''' ~~lat.~~ alt. calamo colubrino (sic! soll wohl columbino heissen) crassio. Vaginae apice bene retusae bruni...

nervis 9–11 ante apicem transcendentib. nigro-punctulatae. Fol. carnosissim. quasi aloinum, ultra 2" long. 1/3" lat. bene cunt. basi attenuat. medio [illegible] intus angute canaliculat. extus omnino enerve, convex. viridisericeum, Pedicelli tenues bisquamati: Flores Ophiocephali clausi, Sep. ima basi connata, basi albida, ceterum cinnabarina semiteretia intus excavata. Tep. minutiss. semiovata, hinc angulata albida. Lab. ab ungue lineari cinnabarino clavatica erect. semiovato-lanceum. marginib. revolut. a basi ad medium ciliat. pallidissime cinnabarin. Gynost. molle breve candido lacteum, 2dentat; dens posticus Dendrobii more cum anthera cohaerens, dentes laterales

tenuer erecti. Anthera mitrata dorso solida. Pollinia 2 solida sphaerentia.

„ Diphyes purpurea“ 253 Sumatra Korthals. – Extat etiam in herb. Lindleyano = B. [illegible] !

Hort. Schiller – Hamburg.

Hamb. Gart. Ztg. 1860. p. 424.

Stanhopea costaricensis. Rchb. f.

aff. St. Wardii.

Hypochilio ponderato, inferne profunde introrso, hinc quasi bigibbo, gibbere antico curvato, transverso, postice utrinque carinato, canali subclauso.

„ Costa Rica“ Hort. Schiller.

Hamb. Gart. Ztg. 1860. p. 424.

Sarcochilus Calceolus. Lindl.

Perigon. subhyalin. candidum. Sep.

4 sep. subaequalia obl.-ligulata acuta. Lab a basi subsaccata trilob. lobi laterales triangulari-ti, apice antrorsum subulato uncinati, lob. medius carini-formis transversus inter dentes laterales, corpore gibbo prono subposito. Lab. alb. fundo saepe flavum. — Hort. Schiller.

Hamb. Gart. Ztg. 1860. p. 424.
Octomeria spatulata. Rchb. f.
aff. O. graminifoliae
Folio obl. apice minute 2dentato, flor. fasciculat. labelli auricul. basilarib. triangul. lobo antico ovato apice bidentato, carinis 2 inter auriculas, macula atropurpurea in medio.
Hort. Schiller.

~~Ancelo~~ Hamb. Gas. Jly. 1880. 424.

<u>Ancilochilus procerus. Rbch. f.</u>

Aff. A. Friderici-Augusti Rbch. f. Labelli laciniis antic. elongat. flabellat. basi(si. medio, in sinu in hamulum extensis, setis utrinque 8-9, canali basecos elongato, tabulis substigmaticis apice angusto basin versus protensis integris angulatis superaddito utrinque ~~denticulo~~ corniculo deorsum flexo. Pedunculi spithameus rufus dense pilosus.

Spica cylindrac. multiflor. Bract. rufae villosae, ovaria aequantes. Sep. dorsale obl. acut. fornicat. piloso glandulos. Sep. later. subaequalia. Pet. ligulato-faliata alba, apice rufo-basi fusco-aspersa. Lob. candid. calicis viridi ovario breviore, apice bicorniculato. Canalis sub

250. fovea ascendens, utrinque implicat. antice corniculis inflexis clausus, margine libero rufulus, ciliae utrinque 8–9; per antice transverse bicruris cruce utroque flabellato erecto. denticulo intermedio deflexo. Callus viride callis stipitatis granulosis. antice 2 (nec in mediis parietib. ubi in A. Frid. Aug.) Column. ascendens. Rostell. ligulat. bicuspe. Tumores stigmatici laterales linea intercurrente. Tabula supra descripta.

Obs. A. Frider-Augusti Rchb. f =
A. setaceus. hort. nec Lindl.

Hort. Senior Hamburg

Hamb. Gart. Ztg. 1858 p. 211.

Oncidium Lindeni Rchb f. nov. sp.

Aff. On. maizaefolio. Lindl.

Columnae alis utrinque acut. extrorsum serrat. supra antheram longe exleuris; lab. multo longi- ori auricalis baseos triangulis, isthmo elongato, subito contracto, portione antica reniformi, antice emarginata unui utrinque obtusan- gula.

Panicula effusa. Rami validiores fractiflexi ut in O. mayzaefolio. Flores major. aurei sep. sepq. praeximaculatis. Labelli isthmo transverse unifariatus, macula utrinque superior a limbo ad calli apicem. Callus internus rostriformis utrinque bilobus. Callus externus utrinque basi extrorse loborus, dactylis elongat. faliat. utrinque 2 raro 4.

Eine glänzlich nicht vorgauende ... am Rch's Arbeit.

252. Hamb. gart. Ztg. 1858. p. 212.

Maxillaria Houtteana. Rchb. f.

Aff. M. triangulari Ldl. sep. magis acutat. labelli callo velutino (nec vernixio) a basi medium versus ligulato. Bot. Mag (1897) 7533,

Caulescens. Pseudobulbi lineari ligulati ancipites, quasi Trichopiliarum sub bipollicares. Vaginae fulcientes distichae triangulae acutae carinatae. Fol. lineari-ligulat. acut. [illegible] prope hyalina. Ovarium ultra pollic. Flos ille M. triangularis paulo minor. Sep. ligul. acutata extus viridiflava, intus atro-purp.-cinnamomea, basi ita interrupte transverse striata supra fundum flavidum, lateralia divaricata. Sep. subaequalia paulo minora conniventia

Lab. obl. ligulat. laterib. obscure lobat. supra totum discum minutissime velutinum, luride ochroleuc. maculis atropurpureis. Gynost. semiteres, androclinii limbi producti, rostell. emarginatum. Anthera velutina. Pollinia in caudicula brevi Glandula semilunaris.

Blt. äusserlich gelbgrün. innen grünlich. Lippe gelb mit rothbraunen Flecken. Guatemala? Caracas?

Hamb. Gart. Ztg. 1858 p. 213.

Epidendrum Ottonis. Rchbf.

Valde aff. E. aurito Ldl. flore ipso minore, ovario laevi (nec verruculoso asperso) sep. tep. q. abbreviat. labello quidem subaequali; gynostemio apice 5 denticulat.

255

(nec profunde bilobo) antheræ apice ac lateribus obtusa.

Axis bene squamosus. Squamae triangulari-acuminat. ancipites. Pseudobulb. lineares. Fol. lin.-ligulat. acut. pedunculo longius. Pedunc. vaginis acu ancipitib. vestitus; ramosum racemosus. Bract. triangulo acuminatae ovarium superantes. Flores ex minorib.

Caracas, Otto. ~~1857~~ n. 1011.

Hamb. Gart. Ztg. 1858 p. 214.

Polystachya rhodopleura Rf.

Nulli affinis. Labello lineari ante basin utrinque divergente falcato, apice divergenti-bilobo, lobis extrorsum setaceis, denticulatis integrisve, pulvinari tomentoso a laminae

-basi ante basin partis dilatatae; Labell. basceo nudo; gynostemio humillimo.

Fol. lin. lanc. apice bidentatum. Rhachis — Flores illis P. bucolae majores. Sep. impar lanceum apiculat. Sep. later. triangula. Sep. lin. apiculata, lacé rosea. Lab. flavum.

Blt. gelb u. rosa. Sierra Leone.

Hamb. Gart. Ztg. 1858. p. 214.
Spiranther Eldorado. Lind. Rf.
Bl. völlig reid eng länglich. Stiel u. Mittelnerv gelbweiss. Bl. platte unten seits Kupferfarbig metallisch glänzend, die Oberseite samtschwarz mit Gruppen heller Fleckchen. Bl-stiel m. grünen Flügelrändern worauf weisse Fleckchen. Stengel ... weiss ...

grün m. weissen Fl. an Silla
gesehen erinnernd/ Blt. grün
Sepal. u. Lippe weiss. Tep. u. ob.
Sepal. mit dunklem Mittelstreif
Lippe vorn mit 2 grünen Flecken
?

Hamb. Gart. Ztg. 1858. p. 215.
Octomeria lobulosa. Rbch. f.
Aff. O. grandiflorae. Ldl.
Fol. angustiori, labello ima
basi cordato trilobo, lob. lateral.
semiligulat. lobo medio pro-
ducto duplo longiore flabellato
antice quadrilobo, carinis 2
a basi lobi medii in divum-
prostionum.

Flos flavesc. basi labelli
atropurpureus.

Blt. strohgelb mit braun-
rothen Lippengrund.

Hamb. Gart. Ztg. 1862. p. 33.

Oncidium holochrysum. Rchb f.

(Macropetala Pentasepala)

Sep. ovat. apiculat paulo undulat. labelli trifidi laciniis postic. ligulato-ovat. isthmo angusto a lacinia media separat. hac brevissima, unguiculata, reniformi biloba maxima, callo bases expanso ovali depresso, infra libero, apice in processum linearem bifidum excurrente, col. brevissima androclinio postice angulato, antice ornithorhyncho alis semifalcat. bine dentatis.

Pseudobulbi obl. sulcati maculati diphylli, a foliis 2 fultis, folia ligulata obtuse acuta subcrassa rufida. Racem. 4-5 flor.

Kleine Pfl. mit grossen, gold gelb. Blumen.

Gard. Chron. 1866.

258. Hamb. Gard. Flg. 1862 p. 34.

Coelogyne (Pholidota) triotos Rf.

Aff. P. imbricatae.

Labelli lobis lateralib. angust. sinu angusto a basi lobo medio reniformi separatis, carinis 3 a basi in basin lobi medii, gynostemii alis angustis, androclinii processu postico et lateralib. anticis ligulat. retus. abbreviat. alis lateralib. angust. sep. linearib. acut. supra basin marginis superioris angulatis.

Nahe ans d. Ph. imbricata.

Manilla. Hort. Stoller.

Hamb. Garten Flg. 1862. p. 34.

Liparis condylobulbon Rchb. f.

Aff. L. longipedi. Caule primario elongato, bulb. elongat. inter se valde remot. a basi pyriformi longe

attenuat. labelli basi sagittato-rhombea, antice retusa, tridentata utrinque papillosis ciliata.

Batavia. Bulben einzelstehend, unten sehr stark

Hamb. Gart. Ztg. 1862. p. 34.

Liparis longipes. Lindl.

Aff. L. condylobulbo.

Caule primario brevissimo, bulb. elongatis, caespitosis inter se contiguis, a basi subclavata attenuat. labello pentangulo basi rotundato, attenuato, simpliciter acuto.

Möglicherweise ist L. spathulata Ldl. hierher zu beziehen. sie hat indessen kürzere Bulben

260. Hamb. Gart. Ztg. 1863. 10.

Eria lanicepsi. Rchb. f.

Aff. E. flavae. Labello medio trilobo, lob. lateral. angulat. lobo medio a basi subcordato semiovato retuso sinuosulo, disco toto late incrassato, antice sulcis 2 tricruri, callo a disco lobi antici in discum inter lobos laterales descendente.

Habitus E. flavae. Pedunculi pauciflori. Bract. obl. lanceae emarcidae ovaria pedicellata dimidia aequantes. Sep. tep. q. melliscoloria, sep. cum ovario pedicellato extus albolanata. Sep. dors. triangulare. Sep. lat. triangula mento obtuso. Tep. cuneata rhombea. Lab. descriptum. Column. sursum dilatata fovea oblonga. Rostellum semiovatum.

„Ost Indien" Rlt. Louisgelb angen. (Alley?)

Hamb. Gart. Ztg. 1863. p. 11.

Eria hemimelaena. Rchb. f.

Aff. E. bicristatae.

Bract. obl. acuminat. calcis ovaria tomentosa subaequantib. lab. 3lobo, lob. lateralib. semiovat. acut. lobo medio ovato acut. carinis 2 elevat. inter lobos laterales, linea clavata a basi in apicem labelli.

Pseudobulb. clavat apice triphyllus. Fol. obl. acuta basi attenuata. Pedun. cul. 4 pollicaris rufoviolaceus puberulus basin usque bracteis patulis reflexisve vestitus. Flores magni illis E. roseae aequales. Perigonium praesertim supra raphin sepalor. lateralium puberulum, praeterea extus paucis pilis aspersum. Sep. dorsale ligulat. acut. Sep. lateralia triangula. Pet. ligulata acuta. Lab. ambitu obl. lobis lateral.

262. atropurpureis: Col. semiteres
androclin. trilob. lobo medio
acuto. lobis lateralib. patentibus
„Eigentümlich durch die schwarz-
purpurnen Seitenlappen d. Lippe
welche grell abstechen von der übrig.
Blt, welche mir orangegelb erschien
als ich sie, leider sehr welk, empfing
Java von Retemeyer eingeführt

Hamb. Ges. Ztg. 1865. p. 13.

Eria (Trichotosia) rufinula Rchb.f.

aff. E. pulvinatae. Lindl.
Labello a basi lineari spathulato,
obcordato apicem versus crenulato,
disco papulosa asperulo lineari
brevi ante apiculum isthmi addito.
Fol. obl. acut. apice inaequalia rufo
pilosula. Spica brevis 2flora bract. cym-
biformib. Sep. obl. acuta. Pet. linear.
Südostlicheum Assam

Hamb. Gart. Ztg. 1863. p. 11.
Epidendrum glumibracteum. Rchb. f.
Aff. E. clavato. Lindl.
Labelli lob. lateralib. 2dentat. dente antico semifoliato, postico semi rhombeo, lobo medio longiore rhombeo lanceolato. (misi ad. ill. Lbl. sub 11. 712)
Costa Rica. v. Warscewicz.

Hamb. Gart. Ztg. 1863 p. 13.
Epidend. micropus. Rchb. f.
Aff. E. Lindeniano.
Sep. pet. q. acuminat. labelli lobo medio ovato acuto crispulo, lobis postic. acut. minut. nervis carnoso incrassat. callo contra basilari nullo, col. recurva apice triloba. ovariis pedicellat. brevissim. (vix sepalor. 2/5 aequantib.) racemo 2floro.
Pseudobulb. obl. parte anceps pallide viridis. Fol. superior. depictu

264. superior lineari ligulat. circ. 5 pollicare. Pedunc. basi vagina emarcida fultus, vix bipollicar. Sep. viridiflora. Lab. alb. ramuli quibusd. violac. utrinque in ungu. Col. basi c. columna connata. ceterum atroviolacea, lobi apicales aurantiaci. Anth. violacea. ? . Hort. Borsig. Moabit.

~~Ep~~ Haml. Gart. Ztg. 1863. p. 13.
<u>Epidendrum (Pleuranthium) intermedium</u>
Sep. ovato-lanceis, sep. a basi lineorhombeis, labelli trifidi laciniis postic. semiovat. lacinia media lancea, callis divergentib. 2 in basi carina basi callosa per laciniam anticam. Fol. lanc. acuminat.
Bolau. Curiosität, welche nur d. Wohlwollen d. Liebhaber gleichgült. Blumen fernbleiben ...

Hamb. Gart. Ztg. 1863. p. 11. 165.

Trichopilia Turialbae. Rbch f.

Bot. Mag. 5550.

Hamb. Gart. Ztg. 1863 p. 12.

Bifrenaria Bicornaria. Rbch f.

aff. B. aurantiacae. Ldl.

Lab. trilobo (non tripartito) lobo antico trilobato, callo in disci basi postica quadricrenato, callo lobulato in ungue labelli, antherae ante antennis divaricatis divaricatis apice incrassato-papulosis.

Pseudobulb. depresso-4gon. angulos. striatis transversis lineatis nitidus. Fol. petiolato-cuneatum lanceol. acut. superne nitid. Flores maxumi, flavi illis dictae speciei majores. Tep. prope sola brunneo-undata. Sep. atropurp. guttata, lab. prope lob. atropurp. Sep. ovata ac.

266. basi sessilia. Sep. cuneato
ovata acuta. Lab. unguiculat. ab
ungue brevi-cuneat. firmum-
din membranac. trilob. lobi
laterales reniovali erecti limbo
externo crenulati, lob. medius
transversus antice trilobulus, med.
callus depressus sulcatus inter
lobos posticos; callus papulosus
in disco cunei basilaris. lineae
rectae clavatae utrinque;
col. clavata utring. apice dilatata
anthera mitrata utring. filo
clavato antenniformi aucta.
Caudicula hippocrepica, glandula
supposita. Brasilien.

Viel Aehnlichk. mit B. aurant. Sep. u. Lipp.
schön tief braunroth u. gelb. Tepp.
Säule gelb mit solchen Flecken.
Anthere einem Insektenkopf mit
gespreizten Fühlern vergleichbar.

Gard. Chron. 1863. p. 12.

Promenaea florida. Rchb. f.

Racemiflora labello medio 3lobo, lob. lateralib. rectangul. lobo medio reniovato e. apiculo, callo depresso crenulato in disco inter lobos laterales erectos.

Radic. adventitiae filiformes. Squamae infra bulbos emarcidae rigidae acumin. venosae. Pseudob. pyriformis costatus occultus. Folia ultra pedalia superne nitida, nervosa a basi lineari lanceol. acuta. Pedunc. ultra bipedal. teres distanter bruñes vaginat. infra violac. supra viridis apice racemos. Flores illis Eriopsidis rutidobulbi aequales. Perigon. viridialb., labelli basis atroviolaceo-maculata, columnae basi purpureo-aquose irrorata.

ovata apiculata, sep. dorsale angustius. Pep. cuneato ovata acuta subbreviora. Lab. ambitu ovat. basi sessile de columna sulco transverso divisum, medio trilob; lob. later. obtusangula lob. medius semiovat. c. apiculo; carina transversa subulosa [illegible] inter lobos laterales ad basin; col. humilis incurva.

Bl. von d. Tracht der Paradisanthus mit weisslichgrünem [illegible] von d. Grösse derer von Eriopsis rutidobulb. & mit einigen schwarzvioletten Flecken sowie hellpurpurnem Säulengrund.

Brasilien [illegible]

Hamb. Gart. Ztg. 1863. p. 19.

Oncidium oculiferum. Rf

[illegible] O. exarcinanti [illegible]

Tumore labelli late oblongo antice retuso ecarinato, lineola lanteam antice papulis in latere nullis.

Ramulus gracil. distanti vaginatus apice 4-florus, flexuosus. Bract. parvae. Sep. dorsale ovat. acut. bene unguiculat. Sep. later. longius unguiculata. labellum excedentia extus carinata. Tep. cuneato-ovata. Lab. rectangulo-triangulare. Tumor croceus, reliquum labell. flavid. maculis atropurpureis.

Kleinblütig, gelbblüthen ... roth

Hamb. Gart. Ztg. 1863. p. 210.
sender japonic. Lind & Rf.
Bot. Mag. tab. 5798.

270. Hamb. Gart.-Ztg. 1863. p. 281.

Epidendrum varicosum. Rf. Herb. Lin.

Amphiglottium inflo- Mor.
rescentia nunc superne ramosa
bract. lanceol. acutis, labello
ovato triangulo acuminato ar-
cato nervis 3 longitudinalib.
incrassat. androclinii dente por-
tico parvo dentib. lateralib.
incurvis apice serrulatis.

Eine starke Pflanze wie E. e-
longat. Bl. breit, länglich, ganz-
randig, ausgerandet. Die 5 Blt.-
Hüllbl. breit lanzettl. Farbe weiss
od. gelb(?) Länge der Hülle ½".
Cuba, Cátobar. Pöppig.

Hamb. Gart. Ztg. 1863. p. 546.

Coelogyne trifida. Rf.

Hemia Orch. II. p. 144 Tab 155.
Rchb. Flor. Br. Ind. V. p. 834 vel C.
ocellatissima!

Hamb. Gart. Ztg. 1863. 547.
Maxillaria Camaridi. Rf.
cf. Walp. Annal. VI. 541 &
Rchb. Beitr. Orchid. Centr. Am. p. 49.
An letzterer Stelle der wörtliche Text
aus d. Gart. Ztg. l.c.

Hamb. Gart. Ztg. 1865 p. 482.
Vanda Wightii. Rf.
Aff. V. Stangeanae Rf.
Fol. longissim. angusto ligulat.
apice inaequali acuto 2lobis,
pedunculo paucifloro, laxifloro.
labelli auriculis subquadratis
lamina lata ovata apice con
tracta ligulata obtuse biloba,
calcari conico, carinis 2 crassis
per discum, basi carinarum ac
basi auricular. pilosulis, col. pro
genere gracili. — Malabar
Blt. lederbraun Lippe gelblich.

272. Hamb. gart. Ztg. 1865. p. 403

Calanthe Wightii. Rf.

Aff. C. ~~em~~ emarginatae. Lindl. Labelli lacin. postic. semiovatis, acut. antrors. lacinia media cuneato-dilatata flabellato-biloba emarginata, verrucalis 3seriatis in ima basi agmen efficientib. lacinias posticas ~~lon~~ brevissimas haud semiaequantib. calcari inflato crasso acuto. Wight. p. III 918 sub nomine C. emarginatae Ldl. icon perbona callorum agmine excepto nimis magno.)

C. Masuca Ldl. recedit labelli lacin. postic. multo longiorib. cuneum labelli aequantib. calcari apice emarginato. C. emarginata Ldl. recedit labelli lacin. post. minimo semiovat. verrulis minimis calcari multo tenuiore. — Courtallum.

Hamb. Gart. Ztg. 1865. p. 293.

Dendrobium Tokai. Rchb. f.

vide Collect. Bristordner sub lit. D.

Hamb. Gart. Ztg. 1865. p. 294.

Pleurothallis Krameriana! Rchb. f.

aff. Pl. immersae.

Folio cuneat. obovat. sep. summo fornicato lanc. a basi lineari elongato apice spathulato. Dilatatis, ipso apice incrassato-cucullatis labelli ungue basi utrinq. auricula minuta triangula, lamina hastato-triangula utrinq. extrorsum unidenticulata carina utrinq. juxta limbum.

Pl. immersa hat gewimperte Sepalen. Blt. carminrot? Bl lamina 1/2' lang. Traube 2zeilig Blt 3 schneidig. Seitl. Sepalen bis gegen die Spitze verwachsen.

[illegible]

2/4. Hamb. Gart.-Ztg. 1865. p. 296

Bolbophyllum rigens. Rbch f.

Pseudobulb. obturbinat. basi gibbosis. fol. lanc. acuto, pedunc. nutante, bract. triangul. parvul. ovariis pedicellat. squamosis sep. impari angusto triangulo, sep. lateralib. 3plo majorib. sep. rhomb. minut. omnib. integris. tenello unguiculato ligulato, medio trilobo, basi tumerato, col. angulis anticis acuminatis.

Flos ill. B. cupreri subduplo ma... Ovar. pedicellat. lamellis angustis barbat. Mentum obliq. Sep. dorsale triangulo-~~lanceum~~ lanceum. Sep. later. multo latiora apiculata omnia albida, limbo apiceq. brunneis, nervis internis viridulis demum flavida nervis rafulis,

gmia dito et limbo bene barbata. Sep. rhombeo-acuta vel lo minora, uninervia, toto limbo barbata. ~~Sep. rhombeo~~ ~~acuta~~ Lab. unguiculat. basi utrinq. subreniicordat. ligulat. lobi laterales elongati incurvati erecti antice obtusanguli, lobus medius oblong. obtus. barbat. Sep. et lab. alba nervulis viridulis. Columnae cirrhi plani lineares ascendentes. lobus androclinii, medius brevis sebuous lobulatus.

Ein spannenhoher brauneschwarzer Blt. stand trägt eine ... überhängende Traube mittelgroßer aufgespreizter eiser, schwarzbraun einge... fasster grünnerviger Blt. Burma ? (Nassauensis)

276 Hamb. Gart. Ztg. 1865 p. 296.
Bifrenaria clavigera. Rchb.f.
Aff. B. racemosae. Lindl.
Racemosa, calcari obtuso abbreviato, inflato, labello unguiculato, rhombeo, ovato acuto dimidio antico crenulato rursum piloso, callo integro indiviso, columna circa androclinium ciliata, ceterum calva caudicula bifida.
Blt. stiel braun. Hüllbl. in d. Mitte gelblich braun. Lippe weiss mit rot. Streifen u. gelb. Schwielen. — Brasilien.

Hamb. Gart. Ztg. 1865. p. 296.
Leptotes tenuis. Rchb.f.
Folio gracillime subulato canaliculato, flore longe-pedunculato, parvo, sep. impari infimo, sep.

oblongis acut. sep. cuneato ovatis acutis, lab. trifido, laciniis lateralib. oblong. lacinia media flabellata, antice rotundata, serrulata, lineis 2 valid. separat. incrassat. in basi, ad juxta foveam angulata.
Gelbliche Blumen mit weisser Lippe aufweisender ein Dunkel viol. Fleck. — Brasilien.
Gard. Chr. 1865 p. 297

Bletia crispilabia. Rchb. f.
cf. Hu. Orch. II. p. 61.
Schöner als B. cinnabarina.
Lippe mit krausen Lamellen in d. Mitte blassgelb. Seitenstücken tief lila. Mittelstück mit d. schönsten Purpur gesäumt. Sep & Tep. amethyst farbig

278. Hamb. gart. Ztg. 1865 p. 297

Bolbophyll. oligoglossum. Rchb f.

Aff. B. odoratissimo.

Bract. scarios. lanceis 3–5 nerv. ovar. pedicellat. superantib. sep. obl. acuminat. apicem usque plan. (nec ibi revolutis.) sep. oval. subacut. uninerv. 3–4x brevior. labello sepalis multo minore apiculato cordato obtusangulo tridentato, dente medio obtuso producto, col. abbreviata utrinq. angulata.

Burmah. – Die gelblich weissen Bl. stehen kopfig.

Hamb. Gart. Ztg. 1865. 297

Sarcanthus dasyorus. Rchb f.

Aff S. Parishii. Hook.

Labelli lamina concava abbreviata; lacin. lateralib. semiovat.

in isthmo et in basi auri-
culatâ involutis, lacinia antica
triangula sessili, corniculo
parvo triangulo utrinq. in basi
columnae, calcari antrorsum
curvo, septo a basi laciniae
mediae oblique in medium pa-
rietem posticum calcaris
descendente, col. recta, rostello
rostriformi, polliniis in cau-
diculae apice sessilibus.

Fol. ligulata apice grosse
bidentata. Rhachis longa tenuis
arcuosa. Flores illis S. pani-
culati aequales. Sep. ovat. apicu-
lata. Pet. angustiora. Color
virens maculis quibusdam
purpureis in labello.

Burmah.

280. Hamb. gart. Ztg. 1865. p. 298.

Dendrob. pendula: RF.

(Holochrysa)

Caulis articulis abbreviat. viridulis, vaginis obtectis, foliis —?, florib. subterminalib. 2 seriorum omnino facie sep. summo & sep. subaequalib. ligulat. acut. sep. lateralib. triangul. in peralam oblongatam semilunato-saccatam antrorsum elongato, lab. cuneato obl. antice lobulato crenulato, apice subemarginato, callis semilunatis ex venis incrassatis antice, col. brevissima utrinq. unifoliata.

Ist eine d. kleineren, schwefelgelb mit orangefarbigen Adern. Nämlich gehört d. Art der Holochrysa, während sie ziemlich

dem Bernard ~~zu den~~ [an den]
der Pedilona streift.
Assam. imp. J. Day.

Hamb. Gart. Ztg. 1865. p. 298.
Dendrobium spatella. Rchb.f.
Aporum. Foliis triangulis
carnosis ancipitibus basi
imbricantibus sed interstitiis
divisis; floribus minutis soli-
tariis; mento modico, sep.
summo triangulo, sep. lateralib.
paulo duplo majorib. oblong.
obtusissime acut. tep. semi
ovat. acut. lab. spatulato s.
cuneato dilatato, antice
semicirculato utrinq. crenulato
angulato, lineolis 3 flavis
elevatulis in disco, col. brevi
obtusata. — ~~Ex~~ Assam
J. Day.

~~Dr. R. Hein. Aichenstein. Nied. Öst.~~

Hamb. Gart. Ztg. 1865. p. 298.

Selenipedium Pearcei. Rbch.

= Cyprip. caricinum. Batem.

** Bot. Mag. Taf. 5466. ex Lindl.

C. caricinum. Lindl. weicht ganz abweichend & hat einen behaarten Fruchtknoten. Ausserdem sind die Selenipedia auf S. A. Südamerika beschränkt & fehlen in Bolivia & Peru wo d. echte Lindley'sche C. caricinum stammen soll.

(Tarapoto. Peruviae 3955 Spruce)

* [illegible]

Hamb. Gart. Ztg. 1865. 299.

Pleurothallis alligatorifera. Rf.

Racemiflora.

Aff. Pl. bicauli Ldl. Racemo elongato ~~foli~~ florib. biseriat. bract. triangul. florib. pedicellat. multo brevioris. sep. summo pandurato ligulato acuto, intus basi foveato. sep. inferiore sublatiore cut praecedens? intus puberulo basi porcato apice minute bidentato, sep. spatulat. acut. trinerviis multo brevioris. lab. brevissime unguiculato sagittato ligulato pandurato acuto, columnae gracilis androclinio trifido membranaceo serrulato. Rio de Janeiro. hort. Schiller.

Hamb. Gart. Ztg. 1865. 299.

Notylia stenantha. Rf.

Aff. N. arachnitidi. Racemo

288
284.
gracili laxiusculo, bract. sesa-
cis ovarii pedicellati dimidium
inque aequantib. sep. lateralib.
dimidium usq. fissis, lanceis
... curvis, sep. paliat. labello
angustissime rhomboeo angul.
lateralib. vix prominulis, ca
na a basi in discum, rostello
abbreviato.
Von N. trisepala unterscheid.
sich diese durch d. eckenlose
Lippe, von N. arachnites durch
d. ganz kurze Rostellum. Die
Blt. sind sit ... orange, oder klein ...
Brasilien log Blunt.

Hamb. Gart. Ztg. 1865 p. 300.
Lockhartia lamellosa. Rf.
Aff. L. Oerstedii. Fol. ensiformi
triangul. apiceb. acut. obtus.
... binflex. ... multum liberis
... paniculis ... flor. bract. ovat.

acut. sep. ovat. apiculat. pet. oblongolig-lat. obtuse acut. foliato complicat, labello tripartito, partitionib. postic. dolabriformi. cuneato semirhombeis obtusang. gulis, partitione media ab isthmo lato ligulato basi utrinq. obtusangulo, ceterum serrulato dilatato flabellato bilobo limbo denticulato, callo depresso quadrato in basi, callo minore antepositio, serie papularum transversarum anteposita, seriebus papular. triangular. per isthmum 5, columnae auriculis anctis subquadratis superne serrulatis.

Blt. hochgelb, so gross wie bei L. vernosa, Lippe u. Säule m. purpurnen Flecken. Soll aus Mexico stammen.

286

Hamb. Gart. Ztg. 1865 p. 300.

Lockhartia parthenoglossa Rchb.

aff. L. parthenocomos

Dichaeae graminoidis prope facie

fol. equitantib. ensiformib. trian-

gulis acuminat. recl. v. cervalis

racemis axillarib. uniflor. v.

2floris, bract. cuneat. acumin-

at. sep. obl. apiculat. tep.

obl. obtuse acut. lab. obl. me

trilobo, lob. lateralib. obtusan-

gulis paulisper prosilientib.

lobo medio producto ligulato

retuso emarginato, callo de-

presso ligulato in basi co-

lumnae, auriculis semiovat.

apice acuminatis.

Blass gelbe Blüten

Hamb. Gart. Ztg. 1865. p. 300.

Restrepia xanthophthalma Rchb.

vaginis caulis ancipitib. ampl.

longe excl. infimis maculat.
folio cuneato oblongo v. [illegible]
apice emarginato, pedunculis 1flor.
sep. summo lineari in apicem
lanceolato incrassat. externo,
sep. inferiore obovato apice
bidentato, tep. sepalis summo
subaequalib. brevioribus. lab. obl.
ante basin utrinq. seta semi-
lunata libera, antice serrula-
to, nunc medio expanso, col.
clavata.

Hübsche Art mit purpurnen &
weissen Blt. welche an d. Lippe
[illegible] einen gelb. Fleck
haben, oder d. Name. -?-

Hamb. Gart. Ztg. 1865. 301.

<u>Oncidium amabile. Rchbf.</u>

Aff. O. [illegible] Rchbf. Labelli ant-
erior portione abbreviat. isthmo
latissimo utrinq. denticulato, por-

tione antice dilatata antice 2loba, postice utring. semi cordata, callo in basi a basi exeunte triangulo utring. bis marginato, antice 5-lobo callo antepositio 5angulo, antice addito utring. lobulo; col. clavata, alulis triangulis 4 utring. supera & infra foveam, fovea depressa, hexangula.
Pseudobulb. ancepsi, obl. paucicostat. 2" altis. Fol. oblongoligulat. inaequaliter bilob. Panicula. Flores illis O. Roothiani aequales, flavi. Sep. parvis castaneis maculata. Labelli isthmus sanguineo-marmoratus.
Brasilien.

Gard. Chr. 1865. p. 301.

Epidendrum micropus. Rf.

Aff. E. Linkiano.

Sep. sepa. q. acuminat. labelli lobo medio ovato crispulo, lob. postici acut. minut. nervis carnosis incrassat. callo centra basilari nullo, col. recurva, apice 3lob., ovariis pedicellat. brevissimis vix sepalorum ⅖ aequantib. racemo bifloro

Pseudobulb. obl. ancipit. pallide viridis. Fol. inferius dejecta superius lineariligulat. acut. 5". Pedunc. basi a vagina emarcida fultus, bipollicaris. Sep. viridi-flava. Lab. alb. carinis ac venis violaceis string. in ungue. Col. basi c. labello connata, ceterum libera, atroviolacea, lobi apicila et dentati- … Anthera violacea. —?—

290. Hamb. Gart. Ztg. 1875. 301.

Bulbophyllum triste. Rchb. f.

Pseudobulbi rotundati sphaerici,
Folium —. Pedunculi graciles
tenuis vaginis paucis distanti-
antis, apice racemosus cer-
nuus racemo densifloro.
Bract. lin.-acuminatae ovaria
pedicellata subaequantes.
Perigonia primum prasina
dein rubro irrorata demum
purpurata. Mentum acutiusc.
obliqu. Sep. summum galeat.
triangul.-acut. Sep. lateralia
recurvata acuta. Pet. trian-
gulo-acuminata, sepalo
summo dimidio breviora.
Lab. carnos. obl. basi utrinq.
angulat. basi subcordat.
Col. gracilenta, apice bicus-
pidata. — ? —

Hamb. Gart. Ztg. 1865. p. 353.

<u>Sarcanth. Williamsoni Rf. in letter. ad J. Day.</u>

Fol. filiformib. panicula folia excedente, ramul. sparsiflor. bract. triangul. ovariis pedicell. multo brevioribus. sep. obl. sp. ligulat. obtuse acut. labelli trifidi laciniis postic. triangul. antrorsis, lacinia media triangula carnosa per lineam medium sulcata, calcari clavato septo ab apice in basin anteriorem, callo quadrato velutino ante columnae basin col. semitereti medio constricta auriculata, basi dilatata, apice utrinque ~~sq.~~ apiculata. Flos illis S. rostrati subaequalis, amethystinus. — Assam. ex Day

(Schoenorchis juncifolia Bl. hat aber eine ganz andre Säule.)

292. Gard. Chr. 1865. p. 353.

Odontoglossum Uro-Skinneri. Rchb. f.

aff. O. bictoniensi.

Sepalo summo obl. acuto. tep. obl. acutis hastato-cuneat. crispul. sep. lateralib. falcat. acut. per dorsum carinat. labelli lamina triangula oblonga acuta crispula, per unguem carinis 2 subquadrangulis medio vertice puberul. columnae clavatae gracilis alis dolabriformib. bracteis dimidios pedicellos aequantib. spathaceis.

Bl. so gross wie Zygopet. Mackai Sepal olivengrün mit rostbraun Rande & Mittelflecken. Eine Hybride zwischen O. bictoniense & Rossii? — ? —

Hamb. Gart. Blz. 1865. p. 357.

Epidendrum laurifolium. Lindl.

Caulis calamum anserinum crassus, foliat. infra vaginis emarcid. vestit. Fol. ligulata acut. valde crassa apice attenuata, summa longiss. (7 vulgo). Vaginae superne cuspidato acuminatae 4, quarum 3 superiores scariosae, infima subcarnosa. Racem. subcurvus pleianthus, 15-flor. Rhachis haud tenuis subfractiflexa, sed obscurissime viridis. Bract. lanceae ima basi atropurpureae, ceterum pallide purpureae 3-4''' longae, pedicellis elongat. 2plo 6 breviores, ovariis incrassat. aequilongae. Ovaria bene costata crassa ubi pedicelli. Sep. dorsale cuneato-obl. apiculat. aridulus dorso concavum Sep. lateral. cuneato-obl. acutiuscula,

iorum medium lectiter car-
inata, subtumidata, extrorsum
concava. Tep. a basi angusta
lineari-dilatata obtusa. Lab.
c. apice columnae connatum
tripartit. partitiones laterales
obl. transversae, basi semicor-
datae, partitio media ligulata
emarginata; corniculi 2 in basi,
lineae elevatatae 3 per discum
inferius. Col. apice retusa, in
apice violaceo-amethystina.
Sep. et Tep. viridi brunneo-viri-
maculis parvul. obscurioribus.
Labelli discus amethystino-
atropurpureus.

Gehört neben Ep. Hermesianum
Fol. 4-94 unter [illegible]. Auch
jene ohne Bulben sollten also
in der selben ersten Hälfte der
Epidendra erklärt werden.
Hort. Seitle. Ein Exemplar!

Hamb. Gart.-Ztg. 1865. p. 354.
Epidendrum microphyllum Lindl.
cf. Walp. Annal. VI. 398.

Hamb. Gart.-Ztg. 1865. 355.
Pleurothallis vittata Ldl.
Caules secundarii vix lectissi-
mi angulati. Fol. carnosissi-
semper sessile obl. ligulato-
obl. oval. apice minute 2dentat.
Inflorescentia ex spatha semi-
lucida carinata acuta racemosa
folii dimidium vulgo aequan-
velutina. Bract. abbreviat.
triangulae retusae. Flores 3'''
longi. Pedicelli breves, crassi
villosi de variis pubescenti-un-
coloris annulato pejunculi.
Sep. suspecius ligulato-obl.
trinerve, albid. venis 3 atro-
purpureis supra totam super-
ficiem pilosulum. Sep. lat.

obl. apice bidentata s. bifida, medium usque, nervo valido in apicem excurrente maculis supra fundum flavidum viola-ceo-purpureis multis. Tep. multo breviora rhombea, superne serrulata 1-nervia pellucida, [illegible] Lab. carnos. obl. [illegible] angustius unne latius ungui-culat. utring. juxta unguem semisagittat. postice trifidum laciniis lateralib. parvulis tri-angul. inflexis, lacinia tertia s. corpore labelli oblonga apice retusa minutissime [illegible] lacini-one serrulata, callo carnoso [illegible] utring. in disco, approximato. Col. clavata, androclinio membranaceo [illegible], serrulato, trilobo.

Von Ldl. mit Unrecht unter die Aggregatae gestellt, während

sie unter die „Effusae"
gehört
Hintes: Pl. Lauzilleani Rbf.

Hamb. Gart. Ztg. 1865. 336.
Pleurothallis dictroa. Rf. in
litteris. 1863.
Sect. Pl. strupifoliae. Lindl.
Sep. rhombeis dimidio superiore
serrulat. labelli ungue lato juxta
basin utring. retrorsum auri-
culato, lamina barbata obtu-
sangula, carina 1 utring. juxta
limbum. col. brevi apice
dilatata. — Fol. longissime
petiolat. cuneato ligulat. apice
bilobulum ultra pedale. Racemi
fasciculati, 3-4" longi. Sep. dorsale
cuneato-ligulat. acut. 3nerve.
Sep. lateralia lato-obl. apice
exserta minute 2dentata, omnia
limbo ciliata extus puberula.

Sep. rhombea nervum serrata. Labelli unguis basi utrinq. retrorsum angulatus, lamina trulliformis obtusangula; carinae 2 elevatulae, 1 utrinq. limbo parallela. Col. humidis superior late alata, apice denticulata.

Sep. dorsale albid. nervis 3 rubris. Sep. inferiora lilacina guttis multis obscure purpureis tigratum. Lab. violac. Pet. alba nervis 2 purpureis alteri abbreviato. Col. violacea.

Bl. mehr als fusslang Ähre. Blt. purpur u. weisslich in mehr neben einander ausbreitenden Trauben.

Brasilien. Leg. Blunt.
Hamb. Gart. Ztg. 1865. 357.

<u>Pleuroth. strupifolia. Kaul. Lindl.</u>
Jene Végleich mit einiger 2,1. Ovarium oculatum. purpurea

Sep. dorsale ligulat. ... alb.
... 3 purpur. Sep. lat. obl.
apice 2dentata purp. maculis
... purpureis. omnia ...
velutina. Pet. obl. ... alba
nervis 2 purpureis (integerrima)
Lab. ... lat. sagittato-panduratum
... obtusis laciniis ...
... semiovalis; carina abbre-
viata utring. juxta limbum
... postico purpureum,
antico alb. punctulis multis
purpureis. Col. gracilis cla-
vata, androclinio ...
serrulato, utroque angulo &
linea mediana ... ...
unistriata.

... ... 1865. 35 f.
Bolbophyllum Smithianum ...
aff. B. psittacoglosso
Racemo bifloro longepedunculat

mento obliquo obtuso, sep. dorsi obl. ligulato obscure acuto, sep. lateralib. latiorib. obliquis obscure acutis, sep. ovat. acuminat. abbreviat. labello longe unguiculato carnoso basi hastato rotundato, obl. acuto revoluto basi utrinque pauciserrulato, carina 1 utrinque laterali sulco per medium, crassa; apice tridentata, utrinque medio angulata.

Die grossen Blt sind gelb mit braunen Flecken. Blt wie bei B. marranthum. — Calcutta? dort. Schiller.

Bonpl. Ges. Zeitg. 1865. 387.

Dendrob. rubescens. Lindl.

sep. triangulo-lanceol. per dorsi lineam mediam carinata. Sep. cuneato-obl. acuta sepalis latiora vix undulata. Labelli unguis

in cyathum superne ... dilatatus, unice in processum extrorsum ecarinat. extensum lamina cordata apice emarginata, lobulo crenulato. Col. clavata aptera.

Sep. flavo-viridi-alba fasc. atropurp. interruptis. Sep. lat. maculata. Labelli basis flava lineis quibusdam purpureis, pars reliqua alba. Col. violacea.

Cf. Walp. VI. 834 & Lindenia I tab. 26.

Bot. Mag. tab. 7094

Pleurothallis ornata. Rchb.f.

(Aperdae ...)

Caespitosa acaulis, fol. parvis breviter petiolat. ellipltic. subacut. v. apice tridenticulat. crasse coriac. pedunc. foliis longiorib. gracilib. ... elongat. ... laxiflor. ...

bract. tubulos. appress. flor.
parv. pedicellat. sep. e basi erecta
patenti-recurv. subaequalib. ellip-
ticis obtus. fusco-viridib. flavidive
creberrime rubro-maculat. appen-
diculis elongat. hyalin. pendul.
marginat. pet. falcat. subspa-
thulat. obtus.; labelli ungue gra-
cili limbo oblongo obtuso basi
cordato disco basin versus callo
compresso instructo, columna
superne in alam galeatam
denticulatam dilatato. — ? —
"Apodae caespitosae"[1] —

[1] Bot. Mag. tab. 6851.

Pogonia (Nervilia) pulchella. Hook.
Tubere globoso, foliis 1-2 subsessilib.
rotundato-cordat. acut. sinu clauso
plicato-12-nerviis supeme e fusco-
viridi purpurascentib. pilis spars.
cellulos. conspersis subtus roseis

nervis pilosis, scapo gracili
floro longe nudo spath-paucio
lineari-lanceol. laxis, bract. lin.
sep. pet. q. consimilib. lin-lanc.
acuminat. flavo-fuscis 3-nerviis,
labelli glaberrimi lobis roseis
lateralib. brevib. angustis, termi
nali bilobo. — Hongkong.
Bot. Mag. t. 6802.

Bolbophl. (Cirrhop.) picturatum. Rchb. f.
Pseudobulb. late ovoid. angulat. folio
breviter petiolato lin-obl. basi an-
gustato apice rotundato emarginato
crasse coriaceo lurido-viridi lateribus
convexis, scapo valido purp.-macu
lato vaginis pauc. acut. pallid.
bract. lanc. pedicellis longiorib. flor.
2", seps. dorsali parvo galeato sangui
neo maculato apice filo flexuoso
instructo, lateralib. in laminam lin
elongatam convexam acuminatam
pallide fuscam-virescentem conniventib.

304.
pet. parvis ovato-rotundat. ...
lobo acuminatio intus sanguineis
labello recurvo linguaeformi convex
obturo sanguineo. — Burmah.
Zuerst cult. im Bot. Garten zu
Calcutta. — Mir scheint es sehr
fraglich, ob die Pfl. mit B. pictum
Rchb. identisch ist.

Bot. Mag. 6817.
Dendrobium Phalaenopsis. Fitzgerald.
Gard. Chron. N. S. XIV. July. 1880.
Caulib. elongat. fusiculat. subcylin-
draceis sulcat. vaginis appress.
pallid. tectis, fol. distichis sessilib.
lanc. acuminat. laete viridib. racem.
axillarib. pendulis laxe 6-10-floris.
sep. ovato-lanc. acuminat. pallidis
nervis reticulat. pet. sepalis multo
majorib. patentib. rhombeo-rotundat.
acut. basi contract. roseis venosis,
labelli sanguineo-purpurei lobis

lateralib. ... inserto medio linguaeformi oblongo apice ... basin versus 5-7 carinato ... rugulosis; calcare recto obtuso basi inferne in saccum ... hemisphaericum dilatato, columna brevi imae basi bicallosa.

NB. Der citat Gard. Chr. l. c. ist ... wieder ein Druckfehler.

Fitzg. Austr. Orch. vol I. c. icone.

Aff. D. bigibbo, superbienti & Goldiei. — N. Australia & N. Guinea.

Bot. Mag. 6886.

Pleurothallis (Apodae) Barberiana Rchbf.

Gard. Chron. N.S. XVI. p. 6 (1881).

Pusilla, caespitosa, acaulis, foliis ellipticis obovato apice rotundato crasso subtrigono costa marginibus angustè incrassat. supra medio canaliculata, basi acuta in petiolum gracillimum angustata, racemis

solitariis capitellant. nutantib. pluriflorís, flor. pendulis graci[illegible] pedicellat. bract. subulat. sep. ov[illegible] obl. purp.-maculat. caudato acu-minat. subciliolat. pet. multo minoribus. ovat. acuminat. serra[illegible] purpureo-punctat. labello [illegible] in obl. sacciformi sed solido ante unguem bidentato purp[illegible] columna angustata immargina[illegible] postice carinata; anthera appen-dice tridentato coronata.

Süd America —?— Y. S. H.

Bot. Ztg. 1852. p. 642.

Cypripedium Warscewiczianum. Reich[illegible]

Phyllo supremo oblongo acuto acumi-nato. inferiori subaequali, lat[illegible] a [illegible] longiori, phyllis internis a latiore basi linearib. longissim. calice oblongo margine basin versus glan-duloso-serrato, stamine sterili [illegible]

verso bilobo apicibus retusis.

C. crenulatum: Lr. Flora Pan. I.

9. p. 31. — „Wahrscheinlich ist dies das

C. dentat. oder in Synonym mit"

— marshy places.

Bot. Ztg. 1852. 697.

Oncidium mirabile. Rchb. f.

= Lockhartia mirabilis Rchb.

Walp. VI. & Hem. Orch. I. p. 100

Perigonii phyllis ovat. obtusiusc. ae[qu]alib. lateralib. interiorib. majorib. labelli 5lobi lob. infim. ligulat. divaricat. basi anterior. [?] in unguem lobi medii velato obreniformis, 2lobi; [?] a elevat. lata a basi labelli ad medium marginem [?] lobi medii dentib. biseriat. ac[u]pidib. onusta, lamellis ex[?] iis margine libero laceris extrorsis [?] adject. in medio ungue. gynosten. minutissimi alis quadratis.

— Chiriqui. —

 Bot. Mag. 7037.

Macodes javanica. Hook.

Argyrorchis jav. Bl.

Bract. ovato-lanc. carneis ovarium aequantib. sep. ovato-rotundat. obtus. pet. lin.-oblongis falcat. obtus. labello supero parvo basi late ventricoso intus prope margines bicalloso, lob. lateralib. parvis, terminali angusto spathulato plano, columna brevi 2-alata, rostello elongato, clinandrio cyathiformi.

Bot. Mag. tab. 7061. (1889)

Angraec. Germinyanum. Hook. f.

(Macrura)

Caule robusto elongato scandente folioso, foliis distich. obl. apice bilob. basi cordato-semiamplexi-caulib. florib. amplis axillarib.

solitariis, pedunculo gracili folio multo breviore, sepalis 2 pollicarib. filiformib. decurvis, pet. consimilib. sed brevior. & angustiorib. labello quadrato angulis obtusis apice in caudam filiformem repente angustato, col. brevissima.
1886 discov. in Madagascar. by Leon Humblot.

Bot. Jtg von 1852
Griseb. Fl. West Ind. Isl.
Proceed. Lin. Soc. XX (Hemsley)
Linnaea. Tom 44. (Reichenbach)
Journal of Bot. 1890 (Rolfe)
Griseb. Flor. Cubens.

318.

Bot. Mag. tab. 6351. (1878)

Pterostylis Baptistii. Fitzger.

Fol. radicalib. vel rosulat. lanc. acuminat. supra nitid. infimis petiolat. caulinis in vaginas spathaceas caudato acuminato sensim desinentib. scapo 1-floro flore magno erecto, galea oblonga leute curva virescente apicib. foliolorum acuminat. fusco-purpurascentib. sep. lateralib. basi in laminam late cuneatam erectam connatis, lob. late ovatis in caudas elongatas filiformes galeam amplectentes attenuatis labello lineari medio carinato apice repente angustato appendice basilari penicillato.

— New South Wales —

Bot. Mag. tab. 6591

Dendrob. Treacherianum. Rchb. f.

Native of Borneo.

Rhizomate repente pseudobulb. ovoideis curvis obtuse 5-6 gonis facie ... concavis pallide viridib. rubro-tinctis, foliis 2nis oblong. v. lineari-oblong. obtusis v. apice emarginatis coriaceis luride viridib., scapo gracili paucifloro vaginis membranac. elongat. florib. erectis sesquipoll. bracteis angustis membranac. ovarium gracile vaginantib. aequantib. sep. porrectis lin-lanc. acuminat. pallide roseis lateral. basi dilatatis in gibbum subhemisphaericum purpureo-striatum connatis, pet. sepalo dorsali consimilib. & aequantib. labello petalis breviore trilobo, lobis lateralib. angustis antice truncatis angulo obtuso, intermedio elongato

lineari oblongo acuminato membranaceo disco 5-7 carinato carinis subcristatis; mento obtuso, col. elongata apice trifida.

Its nearest ally is D. coelogynoides Rf. Import. by Mr. Low. Leaves 3"-4" long by 1/2-3/4" broad.

Bot. Mag. tab. 6567.

Bulbophyllum Beccarii. Rchb.

Gard. Chron. 1879. I, 41 & II 326. 525.

Native of Borneo.

Giganteum, rhizomate crassissimo repente alte scandente, pseudobulbis pro planta parvis oboviodes-globosis, foliis pseudobulbo solitariis maximis ovato-orbiculatis crasse coriaceis pallide viridibus, pedunculo a basi pseudobulbi brevi crasso dense vaginis late triangulari-ovalis

acutis inflatis imbricatis purpureo-vittatis vestito, racemo ovideo-cordiformi dependente incurvo densissimo multifloro, foetidissimo, bract. lanc. acumi nat. rubro striatis flores aequantib. florib. pro planta parvis, ovario gracili, perianthio rin-gente, sep. ovatis subacutis re-volutis purpureo-reticulatis pet. lanceol. acuminatis pallide lilacinis vitta media purpu-rea, labello breviter stipitato ovato-lanceolato obtuso concavo disco tricostato, columna obtusa antice utrinque minute 2-aristata.

 Williams Orch. Alb. I. tab. 26

Cattleya velutina. Rf. Gard Chron. 1870 p. 140. 1373.

Epiphytal. Stems slender, terete from 12–18" high supporting the evergreen foliage & furnished at intervals with short ovate appressed bracts. Leaves in pairs, oblong acute widest near the base, leathery about 8" long & 1½" broad of a dark green colour. Scape 2 flowered, issuing from a terminal compressed sheath or bract. Flowers of medium size, stout in texture, tawny orange, the lip white marked with purplish spots arranged in lines very fragrant; sepals ligulate oblong acute recurved, reddish tawny orange spotted with purple petals of the same colour, cune-oblong, acute, somewhat lobulate

or wavy; lip 3 lobed, the side lobes very short semi ovate, partially enclosing the column, the front lobe large, roundish ovate, apiculate, wavy & toothletted, the disk between the side lobes yellow with purplish streaks; the radiating veins purplish the front or middle lobes white with dark purple veins, everywhere clothed with velvety pubescence. Column free at the base, marked with many purple spots & leaving a purplish border to the anther bed.

Text near Bot. Mag. tab. 6622 (1882)
Phalaenopsis Stuartiana. Rchb. f.
(Gard. Chron. New Ser. XVI. p. 748.
Foliis pedalib. anguste elliptico-oblong. obtus. crasse coriaceis luride viridib. subtus basin versus

punctis rubris conspersis, junior. marmoratis, florib. amplis nume- ros. in paniculam decursam laxam longe pedunculatam dispositis; ramis divaricat. bractis. parv. coriac. basi ovarii appressis; perianthio 2" diam sep. ellipt. obtus. dorso pallide vi- ridib. lateralib. intus & extus rubro punctulat. pet. sepalis ½lo majorib. rotundato-quadrat. eburneis labello aureo-rubro-maculato, segmentis lateralib. oblique obova- tis obtusis, callis inter lobos binis cuneato-quadratis termi- nali orbiculari apice appendice bicruri cruribus subulatis incurvis instructo.

Der Holzschnitt Gard. Chron. l.c fig. 149 ist in Carton V.

Allied to Ph. Schilleriana.

Die Original Diagnose im Zettelkasten

CORYANTHES BUNGEROTHII, *Rolfe, n. sp.*,* *and in "Lindenia," t. 244. c. ic. color.*

This is a very fine species of Coryanthes, rivalling C. Fieldingii, Lindl., whose flower Dr. Lindley affirmed to be the largest yet known among Orchids. From that species, however, it may readily be distinguished by the different shape of the hood. In the present species that organ is prolonged in front almost to the edge of the bucket, where it terminates very abruptly; while in C. Fieldingii it is scarcely, if at all, prolonged more than its sides. And, of course, there are various other correlated differences. C. Bungerothii was sent from Venezuela in 1888 by M. Bungeroth to Messrs. Linden, L'Horticulture Internationale, Brussels, in which establishment it flowered in May of the present year.

The structure of the flower and economy of fertilisation in this genus are so remarkable, that it seems strange the species are not more frequently seen in cultivation. Crüger long ago pointed out how the peculiar shape and arrangement of the parts was rendered subservient to the fertilisation of the flowers through the agency of a large humble-bee, without whose assistance it is doubtful if seed would ever be produced. When the flowers first open, a large humble-bee, noisy and quarrelsome, attracted by the smell, visits them, for the purpose of gnawing off some cellular tissue which exists under the hypochil, or hood. They are seen in large numbers disputing for possession, and partly by this contest, and partly, perhaps, intoxicated by the matter they are indulging in, they tumble down into the bucket, half-full of a fluid secreted by a pair of horn-like glands at the base of the column. They then crawl towards the front of the bucket and literally force themselves out of their involuntary bath, by crawling out between the mouth of the epichil and the column, which fit together exactly, and are very stiff and elastic. The bee, on emerging, will have the pollen masses firmly glued to its back. Not deterred by its bath it returns to the same or another flower, and the process is repeated, but on escaping a second time the pollen masses are inserted into the stigma, and thus impregnation is effected. Crüger observed that he had seen a continual procession of the insects through the passage specified. Perhaps the absence of the bee partly accounts for their rarity in this country. *R. A. Rolfe.*

Aus Gard. Chron. 1890 II. (3d Ser. Bd. VIII) p. 210/11
Die (engl.) Diagnose befindet sich im Zettelkasten.

318 y Journ. Lin. Soc. XXI. 1884 p. 404.

Habenaria pleistadenia. Rchb. f.

Ultra spithamea, foliis basilaribus geminis (?) cuneato-oblongis apiculatis (0,07-0,02 [?]m) siccis bene nervosis, caule gracili solido (excl. inflorescentia 21 cm alto; inflorescentia 6 cm) inferne calvo, medio pilis glandulosis sparsis apicem versus ac apice copiosissimis vestito, vaginis distantibus lineari-lanceis acuminato-subulatis paucis glandipilibus, racemo densiusculo plurifloro dein secundifloro, bracteis anguste lanceo-acuminatis glandipilibus, ovaria glandipilia demum ovarvula non aequantibus, sepalis triangulis obtusis, lateralibus sublongioribus, omnibus extus per se hinc versus obduse angulatis, labello ligulato acuto basi utrinque

falcata lineari-acuminata diametrum laminae transversum non ~~aequantibus~~ excedente; ovariibus stigmaticis abbreviatis retusis, canalibus antherae excedentibus brevissimis.
Kilimanjaro 9-10000'
Affinis Hab. croceae Schweinf. & H. Guinguangae Rchb. foliis & pilis glandulosis abunde distincta.

Journ. Lin. Soc. XXI. 1884 p. 404.

Habenaria Thomsoni. Rchb. f.

Aff. H. humiliori Rchb. f.
Ultra spithamea, foliis basilaribus oblongis, caulinis in vaginas acutas abeuntibus, racemo densiusculo, bracteis oblongis acutis ovaria pedicellata aequantibus margine & disco externo muriculatis, ovariis pedicellatis sublaevibus, sepalo impari oblongo obtuso, sepalis lateralibus inaequalibus, margine

inferiore extrorsum obtusangulo apiculatis petalorum partitione superiore lineari margine muriculata, partitione labellum attingente lanceata, medio oblique plicata, altera apicem versus margine minute muriculata, labelli partitionibus lateralibus lanceolatis apice recurvis, partitione mediana longiore lanceata porrecta, calcari a basi tenuiore extrorsum ampliato obtusiusculo scroto (semper medio fere plicato?) ovarium pedicellatum non aequante.

Lynwipia (Trop. O. Africa) 6–8000'.

E grege Hab. cultratae A. Rich., Schimperi Hochst. etc. petalis calcari egregia.

Linnaea XXIX (1857-58)
R. A. Philippi plantar. novar.
Chilensium Centur. IV & V. p. 46 ff.
P. 46

399. Chloraea suaveolens. Ph.

Chl. caule pedali, usque ad flores vaginis foliaceis vestito; spica circa 12-flora; sep. viridibus, reflexis, supremo oblongo-lanceolato acuto lateralibus oblongo linearibus obtusiusculis apice incrassatis; petalis subaequalibus ovatis acutis apice reflexis albis seriebus ~~Fen~~ circa 8 verrucarum viridium s. venis interruptis notatis; labello rhomboideo valde carnoso basi articulato lamellis 5–7, 3 medianis fere obsoletis, 1–2 lateralibus utrinq. in processus falciformes terminatis medium labelli haud attingentibus apice triangulari margine crenulato.

incrassato viridi; gynostemio elongato.

Prope Rancagua Bertero; prope Santiago (in praedio Macul) ipse (Philippi) legi & ad vivum depinxi. — Color florum naphae. Folia radicalia obovato-oblonga 4-5" longa, 1" lata; sepala 9''' labell. 6''' long; bracteae virides acutae, germen subaequantes.

Pag 47.

400. Chloraea calopogon Ph.

Chl. caule pedali, vaginato; foliis.... floribus paucis magnis, bracteis ovato-lanceolatis flore brevioribus; sep. oblongo-linearibus trinerviis, superiore 1" longo, 3''' lato, lateralibus vix longioribus, apice incrassatis petalis paulo brevioribus trinerviis oblongis subspathulatis acutiusculis; labello unguiculato

orbiculari trilobo, 10‴ longo, lobo intermedio grosse dentato, fere 1/2 labelli occupante; lobis lateralibus margine tenuiter fimbriato-ciliatis; fere tota superficie appendicibus filiformibus in lobo intermedio longioribus albidis, 2‴ longis tecta; gynostemio elongato.

In herbario Chilensi absque indicatione loci servatur. Differt a Chl. barbata, quam ex descriptione modo cognosco, labello trilobo et petalis nudis minime papillosis. Color floris virens fuisse videtur.

P. 48 (Cuad. I)

401. Chloraea homopetala. Ph.

Chl. caule pedali usque ad apicem vaginato; foliis radicalibus 6‴ latis elongatis; spica 6-8-flora subumbellata; bracteis lanceolatis

acutis ovarium vix superantibus; sepalis 3 aequalibus, lanceolatis 3nerviis parum reticulatis 13''' longis superiore 3''' lateralibus 2 1/2''' latis, petal. 3 erectis aequalibus lanceolatis, 11''' longis, 3''' latis; labello unice venarum lateralium ramis ad marginem decurrentibus paullo frequentioribus distincto.

Sta Barbara Gay. herb. chil. N:o 471. Andes, depart. Chillan, Germain. — Species labello cum petalis conformi distinctissima. Color floris ferrugineo-croceus. Specimina prope Chillan lecta nervos laterales paullo magis conspicuos ostendunt, quam specimina Gayanum.

482 Chloraea aurea. Ph.

Chl. caule bipedali nudo vaginato; foliis radicalibus, oblongo-linearib. 10''' long latis, spica vic. 15-flora, laxa, floribus luteis, bracteis scariosis rufescentibus, flore brevioribus; sepalis 13''' longis 3nerviis, lateralibus incrassatis vel non incrassatis, petalis obovato-oblongis, obtusiusculis, nervis laxeos & marginis papillosis; labello unguiculato, suborbiculari, parum profunde trilobo, lobo medio semiorbiculari, grosse dentato, lateralibus margine laterali integerrimis; appendicibus elongatis foliatis centrum & lobum medium obtegentibus.

In Andibus prov. Santiago, de la Concepcion dictis. — Labellum 9½''' longum, 8''' latum.

403. Chloraea fimbriata Ph.

Chl. caule bipedali, nudo vaginato; foliis radicalibus brevibus; spica laxa, sub 12-flora; floribus albis, viridi-reticulatis, sat magnis; bracteis acutissimis, ovarium superantibus; sep. linearibus 14''' longis 3nerviis superiore peracuto, lateralibus apice obtusis, viridibus incrassatis in venis et margine pappillatis; petal. 11''' longis subfalcatis acutis, latitudine sepala vix superantibus, basi in venis papillosis; labello reflexo unguiculato subrhombeo obsolete trilobo, 10-11''' longo, 6½''' lato omnino setis foliatis 2''' longis tecto, lobis lateralibus modo mediusculis; margine anteriore laciniato-fimbriato; apice acuto inciso-crenato.

In provincia Valdivia crescit. — Species sepalis lateralib. apice papillosis et margine anteriore fimbriatis insignis. — An Chl. barbata nimis breviter descripta? an labra calami huic „petala" margine et venis papillosa attribuuntur?

404. Chloraea obovata Ph.

Chl. caule 2-3-pedali usque ad medium foliato, deinde vaginato, foliis inferioribus 6-8" longis; spica laxa sub-10-flora; bracteis lanceolatis acutis ovarium superantibus; sepalis 11''' longis 5nerviis, superiore 3''' lato, superius latiore (fere obverse lanceolato) lateralibus angustioribus versus apicem obtusum crassum viridem sensim attenuatis; petalis 10''' longis 3''' latis,

 ellipticis venis lateralibus versus marginem inferiorem confertis incrassatis, labello 8''' longo 5''' lato obovato s. fere spathulato margine superiore dentato; vena mediana nuda lateralibus 2 utrinque lamellis brevibus apice subfalcatis terminatis.

Locum ignoro. forse e prov. Valdivia missa est. – Differt a Chl. lamellata labello labello obovato, neque oblongo, juxta marginem haud verrucoso, lamellis paribus. Colorem e specimine sicco determinare non ausim (sic!).

Pag 50.

405. Chloraea chrysochlora Ph.

Chl. caule bipedali basi foliato fere usque ad flores vaginato; foliis 6" longis 1" latis; spica 10-12-flora,

-satis densa floribus luteis, bracteis acutis ovaria superantibus; sepalo superiore 7''' longo 2½''' lato lanceolato acuto ...nervi; lateralibus 9''' longis 2''' latis, fere a medio viridibus ... subincrassatis; petalis 5½''' longis, 2½''' latis, ovato-lanceolatis 5nerviis; labello ovato-orbiculari, 5''' longo, 3½''' lato, ungui abrupto ½''' longo inci-dente subintegerrimo margine laterali crispulo; centro lamellis obtusis margine viridibus divisis obsito versus marginem striolis viridibus vix incrassatis picto.

In prov. Valdivia legit Philippi.

406. Chloraea papillosa Ph.

Chl. caule elato robusto basi 5''' crasso usque ad medium dense

foliato deinde vaginis foliaceis tecto. foliis 8" longis 5" latis spica elongata multiflora; floribus albis viridi-venosis; bracteis acutissimis ovarium superantibus; sepalo superiore ovato-lanceolato fere cucullato egregie reticulato 9''' longo 4'''' lato lateralibus rectis 8½''' longis 1½''' latis linearibus, haud incrassatis, petalis falcatis 8''' longis reticulatis apice 1-nerviis, labello integerrimo cuneato-oblongo 8''' longo 4''' lato, basi lamellis undulatis obtusis hinc inde diviso, cetera vero undique papillis tecto, viridi.

In prov. Valdivia legit Ph. in Andibus dep. Chillan ornat. Germain. – An Chl. cylindrostachya Poepp.? sed in nostra sepala inferiora minime spiralia & labellum nullibi setosum.

107 Chloraea reflexa Ph.

Pl. caule bipedali crasso basi foliato, deinde usque ad spicam vaginato. foliis 6-7''' longis 14''' ~~longis~~ latis, floribus circ: 10 laxe-is distantibus, bracteis viridibus ovarium aequantibus, sepalis reflexis lanceolatis 5½''' longis 2''' latis viridibus, petalis patentibus imo subreflexis obliquis ovatis peracutis 4½''' longis nervis viridi-verrucosis in parte inferiore; labello basi geniculato, deflexo in unguem angustato rhombeo acuto apice viridi basi lamelloso et papillis viridibus tecto 4''' longo 2¼''' lato; gynostemio porrecto 3''' longo.—

In varietate „latifolia" sepala 2½''' lata, lab. obtusum apice per majorem extensionem viridi et incrassato, margine

subcristato distinctum.

In Andibus dep. Chillan invenit ornat. Germain.

708. Chloraea evoiata Ph.

Chl. caule 1½ pedali satis crasso, basi foliato, usque ad spicam vaginato; foliis inferioribus 3½" longis pollicem altis in petiolum attenuatis; spica 6-12-flora, floribus luteis; bracteis acutis ovarium superantibus; sepalis 12''' longis linearibus superiore 2¼''' lato, lateralibus vix angustioribus apice incrassatis viridibus; petalis 10''' longis 3''' latis; labello unguiculato, ambitu ovato 3lobo; lobo intermedio producto ovato-lanceolato acuto, lateralibus obtusis; appendicibus falcatis dorso viridibus, partem medianam labelli occupantibus;

gynostemio 6''' longo, apice acutissimo.

In Andibus depart. Linares legit cra. Germain. – Differt a Chl. Pavonii labello appendicibus ciliatis neque glandulis clavatis obtecto, lobo intermedio ejus integerrimo neque crispo, a Chl. densa labello basi ovato neque cuneato etc.

Pag 52.

89. Chloraea chlorosticta. Ph.

Chl. caule basi foliato 2½' alto crassitud. pennae anserinae, foliis 5'' longis 5''' latis vaginis arcte appressis, florib. laxis 6-7 virentibus, bracteis ovato-lanceolatis ovario subbrevioribus; sepalo s[illegible] lineari-lanceolato 11-12''' longo 2½''' lato, viridi dorsum superiente, [illegible] nervis fere obsoletis haud

334. remosis, lateralibus ~~haud~~ apice incrassatis viridibus obtusis subserratis; petalis lanceolatis 9½''' longis 2½''' latis margine laterali crenulato-ciliatis disco viridi-punctatis; labello aequilongo & aequilato 3lobo lobo terminali lato acuto profunde laciniato-dentato, lobis lateralibus margine crenulatis; lamellis & deinde ~~marg~~ appendicibus falcatis dorso viridibus, partem medianam labelli a basi ad apicem usque occupantibus; appendicibus brevibus viridibus lobos laterales omnino tegentibus; gynostemio 6½''' longo.

In Andibus depart. Linares attulit ornatiss. Germain.

? = macrolons p. 320

410. Chloraea secunda Ph.

Chl. ~~secunda~~ caule pedali basi foliato,

superius vaginato; foliis basi confertis brevibus, lamina modo 1''' longa 10'' ~~longa~~ lata; spica laxa flora secunda; floribus albis, bracteis ovato-~~oblongis~~ lanceolatis; sepalis superioribus cariosis reflexis 8''' longis 2½''' latis peracutis, apice lateralium incrassato viridi; petalis erectis ovato-oblongis obliquis 6½''' longis 3''' latis acutis albis punctis viridibus callosis ~~adspersis~~ adspersis venis longitudinalibus 8. labello reflexo unguiculato albo ambitu orbiculari 4½''' longo totidem lato obscure 3lobo, lobis lateralibus - sc. modo angulo prominente - indicatis integerrimisque medio forma triangul~~aris~~ truncati margine dentibus callosis viridibus & apice macula callosa

viridi notato; lamella elevata utrinque abbreviata in nervo secundo utrinque (a mediano computato)
Habitat in Andibus, depart. Linares.

Pag 53.

411. Chloraea verrucosa Ph.

Chl. caule 1½' alto ultra medium foliato vaginis superioribus reticulatis, foliis inferioribus 5½" longis 9" latis; spica pauciflora, floribus pallide virescentibus, bracteis ovario longioribus valde venosis; sepalis 14''' longis 5-7 nerviis valde reticulatis, superiore lanceolato longe acuminato lateralibus subfalcatis a medio inde viridibus, petalis ovato-lanceolatis 5nerviis reticulatis 11''' longis 4½''' latis, labello erecto 10''' longo 4''' lato ovato-oblongo

~~acuminato~~ articulato medio aliquantulum contracto (sed vix pandusiformi) basi venis lamellosis, deinde usque ad apicem verrucis tecto.

In Andibus dep. Chillan habitat. Ovnal. Germain. — Differt a Chl. nudilabia cui ex descriptione labellum similis formae, labello cristato & ~~venoso~~, sepalis lateralibus apice incrassatis nec tenuibus etc. Ovarium obconicum apice haud incurvum.

412. Chloraea Pavonii Lindl.?

Chl. caule pedem alto fere usque ad apicem foliato, foliis inferioribus 5" longis 11''' latis superioribus subscariosis reticulatis, pellucidis spica circ. 7-flora, floribus albo-viridibus reticulatis, bracteis lanceolatis pellucidis scariosis

pediculatis inferioribus totum florem aequantibus, ovario apice incrassato haud incurvo, sepalo superiore exacte lanceolato 8½''' longo, lateralibus sub-foliatis a medio inde incrassatis viridibus, 7''' longis; petalis ovato-oblongis 6''' longis 3''' latis labello unguiculato ovato-oblongo 5½''' longo 3¼''' lato obsolete 3lobo (s. potius utrinq. angulato) omnino glandulis-obsessatis lecto apice producto saepe incrassato viridique.

In Andibus dep. Chillan invenit ornat. Germain. — An rev. Cl. Pavonii? cui labellum 3lobum lobis lateralibus rotundatis adscribitur; de reliquis notis altum silentium?

413. Chloraea collina Ph.

Chl. caule 9-12" alto laxifoliato, foliis 3" longis 7''' latis, superioribus vaginantibus subvariosis peracutis reticulatis; spica 4" longa, 15-25-flora floribus albis, bracteis lanceolatis peracutis ovarium superantibus sepalis lineari-lanceolatis 3-nerviis nervis viridibus haud reticulatis; intermedio 8''' longo 1½''' lato, lateralibus 7''' longis subfalcatis apice atro-viridibus incrassatis (sed non verrucibus); petalis lanceolatis 7''' longis vix 2''' latis 4-nerviis; labello 6''' longo 3''' lato subtrilobo, lobis lateralibus rotundatis brevibus intermedio dimidiam labelli occupante oblongo; venis omnibus processibus retiformibus

340. obtectis; gynostemio fere 5''' longo.

Prope Valparaiso leg. ornat. Germain. — Differt ~~a~~ *videtur* Chl. campestri Poepp. caule humili, foliis longioribus angustioribus sepalis lateralibus apice planis labello subtrilobo.

414. Chloraea gymnoglossa Ph.

Chl. caule 7-8 pollicari usque ad spicam foliis strictis vaginato ~~t~~ 2-3 floro, floribus albidis; bracteis scariosis flore brevioribus sepalis aequalibus 8''' longis lanceolatis apice lateralium paulo incrassato obtusiusculo; petalis aequalibus 6½''' longis ovalis membranaceis exquisite reticulatis; labello a reliquis petalis non distincto; gynostemio 4½''' longo.

In archipelago Chonos dicto
invenit ornat. Dr. Fr. Fonk.
Folia basalia 6''' lata 4½" longa.
Species labello a reliquis petalis
haud differente ut in Chl. homo-
petala insignis.

Pag. 55.

5. Chloraea Fonki Ph.

Chl. caule 7-8 pollicari usque
ad apicem vaginato 3floro;
vaginis supremis membranaceis,
bracteis scariosis ovato lance-
olatis, flore subbrevioribus
sepalo superiore lanceolato-lineari,
lateralibus paulo longioribus
apice incrassatis 7''' longis; peta-
lis 5½''' longis ovatis, labello
5½''' longo 2¼''' lato, 3lobo, lobis
lateralibus rotundatis intermedio
dimidium labelli formante; glandu-
lis stipitatis labellum tegentibus;

gynostenio petala aequante.
Cum priore cui simillima praeter characteres floris legit ornat. Fonk.

416. Chloraea (Asarca) chrysostachya. n. sp.
(Asarca chrysost. Phil.)
A. caule 1½ pedali usque ad medium foliato, crasso, deinde ad usque ad flores vaginato; spica circit. 30-flora, floribus luteis; bracteis acutissimis ovaria superantibus, sepalo superiore 6''' longo oblongo-lineari, abrupte acuminato lateralibus paulo longioribus & in apicem cylindricum crassum partem foliaceam fere aequantem terminatis; petalis 5''' longis 2½''' latis venis eorum in basi & centro papillosis; labello 4''' longo 5½''' lato trilobo; lobis

lateralibus sat divaricatis subquadratis venas 5 carnosas versus marginem evanescentes gerentibus; lobo intermedio longitudine laterales aequante sed angustiore apice rotundato, verrucis confluentibus incrassato; parte centrali labelli verrucis liberis dense obtecta.

In praedio meo S. Juan rara est.

417. Chloraea spectabilis Bth.

(Asarca spect. Ph.)

A. caule bipedali crasso basifoliato, foliis radicalibus usque ad 9" longis, 1½" latis, vaginis reticulatis; floribus 10-12 albis, bracteis ovato-lanceolatis ovarium superantibus; ovario stipitato apice incurvo; laciniis perigonii inflexis, sepalo superiore lanceolato 5½''' longo,

344. 1 2/3''' lato, 3nervi, ramis nervorum lateralibus distinctis, lateralibus in apicem teretem crassum viridem 2 1/2''' longum terminatis ꝗ cum illo 7''' longis; petalis 4 1/2''' longis 2 1/2''' latis ellipticis acutiusculis, 4-nerviis nervis 3 centralibus valde approximatis; labello croceo basi ovato trilobo, lobis lateralibus brevibus linea communi truncatis, cristis 2 margineque incrassato viridibus ornatis, lobo mediano productiore angusto apice obtuso incrassato, viridi papillisque viridibus e margine prosilientibus ornato; parte basilari centri cristis 2 obtusis verrucisque uniseriatis lineam medianam occupantibus onusta, gynostemio 2''' longo infundibuliformi, rostello brevi.

In Andibus depart. Chillan
& Linares invenit ornat. Germain.
— Differt ab A. acutiflora colore
albo, lobis lateralibus labelli
haud nudis sed bicristatis; ab
A. leucantha eadem nota lo-
borum lateralium labelli
(color labelli hujus speciei non
indicatur).

Pag 56.

418. Chloraea araucana Rchb.
(Asarca araucana Ph.)

A. caule fere 2pedali crasso usque
ad medium foliato; foliis 8" longis
1½" latis, vaginis arcte adpressis;
spica 12-20 flora, floribus albis;
bracteis acutis ovarium aequantibus;
sepalo superiore oblongo-lineari
4½''' longo 1½''' lato plano acuto;
lateralibus basi ovalis 3½''' longis
2''' latis 5nervibus, deinde in
appendicem filiformem, 3½''' longam

346. terminatis; petalis $3\frac{1}{2}'''$ longis $1\frac{1}{2}'''$ latis ovato-oblongis, 4 nervibus, nervis baseos obscuris, incrassatis; labello $3'''$ longo fere totidem lato, 3lobo, lobis lateralibus ovatis reflexis, venas incrassatas obscuras gerentibus, lobo mediano elongato-triangulari, apice producto, obtuso, in centro appendicibus clavatis dense obtecto; gynostemio $1\frac{1}{2}'''$ longo obtuso.

Habitat in ditione Araucanorum.

Pag 57.

419. Chloraea sulphurea Lindl.
(Asarca sulph. Pr.)

A. caule bipedali crasso-basi foliato, foliis erectis, 7-8" longis 15''' latis acutis; vaginis s. foliis superioribus viridibus, reticulatis spica 20-25-flora, floribus pallide

flavis; bracteis ovarium apice incurvum superantibus; sepalo superiore 6''' longo, 2½''' lato 5-nervi, lateralibus 8''' longis, basi ovalis 5-nervibus, deinde in apicem crassum, cylindricum rufo-ferrugineum terminatis; petalis ovato-oblongis vix 5''' longis, ramis marginalibus eorum valde conspicuis; labello 4½''' ~~longo~~ lato, modo 2⅔''' longo, profunde trilobo luteo; ~~totis~~ loborum lateralium rotundatorum venis incrassatis, carnosis; lobo intermedio venis elevatis s. verrucis magis minusve dense obtecto.

Ex Andibus dep. Chillan attulit ornat. Germain. — An A. acutiflora Poepp.? sed petala non „oblongo-falcata", lobus intermed. labelli non „linearis". In A. acutiflora venae crassae in lobis laterali. labelli non indicantur.

 Pag. 240: Linnaea XXXIII. 1864/5.

1828 <u>Chloraea pogonata Ph.</u>

Chl. foliis brevibus caule vaginato, 3-5-floro; bracteis ovato-lanceolatis, flore brevioribus; sepalo superiore lineari galeato lateralibus apice incrassatis et <u>supra barbatis</u>; petalis sepalo parum-brevioribus linearibus falcatis labello aurantiaco basi vix unguiculato 3lobo lobis lateralibus rotundatis subintegerrimis intermedio acuto margine dentato. <u>tota superficie pilis brevibus barbata.</u>

Prope „los Molles" in paroo Aconcagua legit ornat. L. Landbeck. Caulis 9" altus Folia emarcida 3" longa 9''' lata. Bractea infirior 12''' long 5''' lata Ovarium 7''' Sep. superius 9''' long. 1½''' lat. venis 5 exterioribus ramosis. lateralia

aequilonga ac lata arcuata in apice incrassata supra filis viridibus barbata (quae nota quantum scio in nulla alia specie observatur. Petala lateralia 8''' longa 1 3/4 l. lata venis 7. lateralibus parum ramosis infimis valde abbreviatis virescentibus, in parte inferiore & interiore ramis nonnullae. Labell. 8 l. long. fere 5 l. latum, lobi laterales pallidi venis multis viridibus, omnibus ciliatis ornati, in lobo medio aurantiaco venae vix conspicuae sed ciliae majores magis conspicuae omnes compressae subfalcatae apice virides. Gynostem. 6 1/2 l. longum.

1029. Chloraea spectabilis Ph.

Chl. foliis caule brevioribus, caule omnino vaginato, spica laxa grandiflora;

 bracteis ovato-lanceolatis, inferioribus flores superantibus; sepalo superiore anguste lanceolato lateralib. multo longiorib. apice virescentib.; petalis superiorib. oblongis sublanceolatis, sepalo multo brevioribus ima basi glandulosis; labello petala superante ovato acuto margine inferiore glanduloso superiore dentato in parte basali lamellis falciformibus tecto.

Specimen in praedio meo S. Juan Octobri lectum mecum communicavit fil. Fridericus. Caulis 15" altus. Folia 4 p. longa 1 p. lat. Flores albi cum ovario 27''' longi. igitur inter majores generis. Bractea inferior 30 l. longa 8 l. lata ovarium 8 l. Sepalum superius 16 l. long. 3 l. lat. venis 5-6 lateralia 20 l. longa basi 3 1/3 l. lata

~~venis~~ apice obtusa venis lateralibus 3. Petala 13 l. longa 4½ l. lata venis 5 externa quoque valde ramosa glandulae virides in basi ima. Labell 15 l. long. 8 l. latum basi in unguem angustatum, venae centrales 7 lamellis perangustis foliatis fere usque ad medium onustae, lamellae foliatae in venis lateralibus, baseos perparvae fere varicaeformes usque ad marginem continuatae.

Differt a Chl. semibarbata Lindl. sepalo supremo angusto labello haud trilobo, acuto haud obtuso etc. a Chl. fimbriata Dl. magnitudine florum, tempore florendi (Chl fimbriata vere Februario floret) labello diverso etc.

Pag. 241.

1030. Cloraea cygnea. Ph.

Cl. caule vaginato floribus paucis magnis albis, sepalis linearib. acutis lateralibus apice haud incrassatis, petalis brevioribus latioribus; labelli petalis parum brevioris suborbicularis 3lobi basi leviter cuneati, lobo medio latiore inciso-dentato disco lamellis falciformibus obsito, lobis lateralibus multivenosis venis baseos appendiculato-varicosis.

Prope Paliahuano initio Januarii pauca specimina legi. Caulis 1-1½' basi 3 l. crassus. Folia pleraque radicalia lamina caulinorum inferiorum brevis acuta 1½ p. longa ¾ p. lata. Bracteae membranaceae albidae peracutae ovarium

subaequantes. Sepal. superius 15 l. long. 2¼ l. lat. nervis 5, lateralia vix 2 l. lata, ceterum aequalia apice, haud incrassata, sed ibi sicut superius ~~furcescentes~~ furcescentes. Petala 12 l. longa 4 l. lata obtusiuscula margine subundulata nervis simplicibus in basi circa 7, lateralibus dichotomis v. furcatis. Labell. 11 l. long. 10 l. latum, nervi partis centralis basi 7 in lobo terminali dichotomi, in parte basali appendicibus magnis foliatis obsiti, venae loborum lateralium demum numerosissimae, densissimae appendicibus longe brevioribus velut varicosae. Gynostem. 8 l. long. rostratum

 Pag. 242.

1031. Chloraea Pavonii ? Lindl.

Specimen huic refero in prov. Colchagua a Landbeck lect. cui caulis 2-2½' basi foliatus dein vaginatus; folia 15 l. ~~longa~~ lata ut videtur brevia spica circ. 5 pollicaris densa sub 20-flora. Bracteae ovatae lanceolatae ~~lateralia fere linearia~~ scariosae venosae parum reticulatae ovarium aequantes. Ovarium 5½ l. long. Sepala subsimilia lanceolata lateralia fere linearia si- apice latiora quam superius sed nec cuneata neque in- crassata 6½ l. longa. Petala parum breviora sepalis si- millima. Labell. croceum ⅔ sepalorum aequans secundum basi cuneatum fere obovatum:

globum lobis lateralibus integerrimis intermedio margine laciniato-dentato. Venae 5 centrales basi lamellis a medio inde autem processibus foliatis onustae et quidem 3 interiores usque ad apicem. In lobis lateralibus venae 3 basales, hinc inde verrucoso-incrassatae. Partes incrassatae obscure-virides.

In varietate ? cum priore lecta tota pars mediana labelli filis hirsuta et omnes loborum lateralium venae hinc inde verrucoso-incrassatae. Nec lobi mediani labelli venae longitudinales sunt sed medio angulum formant, ceterum inter se parallelae. An species propria?

Pag. 243. [illegible]

1032. Chloraea dasypogon Ph.

Chl. caule pedali basi tantum foliato, spica 2-2½ pollicari 6-10-flora, sat densa; bracteis ovato-lanceolatis; sepalo superiore 8½ l. longo ovato-lanceolato acuminato; lateralibus vix longioribus paullo angustioribus apice incrassatis angustatis; petalis paulo brevioribus, oblongo-ellipticis obtusis, venis earum nudis; labello longitudine petalorum suborbiculari vix 3lobo versus apicem inciso-dentato, luteo centro setis densissime tecto.

E prov. Colchagua specim. 2 attulit cm. Landbeck. Sepala 8½ l. long, petala 7 l., labell. 7 l. long 6 l. lat. Bracteae jam florem subaequant jam vix

vario longiores sunt.

Differt a Chl. barbata Ldl. petalis minime „margine anteriore venis-que papillosis"; a Chl. campestri Poepp. labello orbiculari neque elliptico lanceolato et flore majore; a Chl. crispa Ldl. labello neque ad apicem integro centro dense setoso, sepalis lateralib. incrassatis; a Chl. Poeppigiana A. Rich. labello latiore haud rhomboidali filis longis densis tenuibus obsito neque cristis 5 dentatis.

1033. Chloraea Pearcei Ph.

Chl. caule 1½ pedali basi tantum foliato foliis parvis; spica pauciflora densa, florib. aureis; sepalo superiore late lanceolato plano lateralibus aequalib. angustioribus apice incrassatis

obtusis; petalis oblongo-ovatis obtusis 3/4 sepalorum aequantibus; labello suborbiculari vix 3lobo margine denticulato apice incrassato, centro lamellis falciformibus obsito, in ambitu lamellis minus elevatis varic[o]iformibus.

„In planitie ad radicem Andium de Ranco distarum prov. Valdiviae rara". Pearce.

Caulis usque ad apicem vaginatus basi lantum foliatus. Folia quae supersunt vix 5 p longa 10-12 l. lata. Spica 12-flora. Bracteae ovato-lanceol. ovarium paulo superantes. Sep. superius 11 l. long. 3 2/3 l. lat. 5-nerve parum reticulatum lateralia 4-nervia 3 l. lata. Pet. 8 1/2 l. longa, 3 1/2 l. lata 5-nervia. Lab. 7 l. long 6 l. lat. nervis 5

foliiferis. Gynostem. elongatum.
Differt a Chl. aurea Ph. lamellis
foliiformib. longe minorib. glan-
dulis s. verrucis nullis in pe-
talis etc. a Chl. Pavonii ? Ldl.
florib. 2plo majorib. sepalis
lateralib. incrassatis etc.

p. Pag. 244.

1034. Chloraea litoralis. Ph.

Chl. caule fere usque ad apicem
foliato; foliis oblongo-lanceo-
latis erectis acutis dimidium
caulem (s.ii) aequantibus; spica
2-4-poll. vat densa; florib. luteis
viridi-nervosis, sepalis subae-
qualibus lateralibus paulo
longiorib. longius acuminatis
subfalcatis apice haud incrassa-
tis; ped. oblongo-ellipticis
3/4 sepalorum aequantib. in
venarum basi verrucosis,
labello profunde trilobo. [illegible]

Dimidium sepalorum superante lobis lateralib. rotundatis venarum basi incrassata, lobo mediano lanceolato in margine et toto disco verrucoso; gynostemio clavato labellum haud aequante.

In rupibus prope Corral Valdiviae portum invenit orn. Krause. – Caulis 9-12 pollicaris. Folia 5-6 p. longa 10 l. lata sensim minora in bracteas abeuntia, bracteae ovato-lanceolatae ovario parum longiores; Flores cernui usque ad 20 parum aperti; sep. 6 l. longa fere 2 l. lata, pet. 4 1/3 l. longa 2 1/4 l. lata. lab. 3 1/2 l. long. fere 3 3/4 l. latum. Gynostem. modo 2 1/2 l. long. fere ut in Asarcis sed cum basi labelli parum connatum.

1035. Chloraea (patagonica) Ph.

Chl. spica multiflora sepalo superiore lanceolato, lateralib. linearib. apice incrassatis medio lanceolato; petal. falcatis margine concavo verrucoso-varicoso; labello rhombeo obsolete trilobo loborum lateralium venis varicosis apice paucidentato centro setis falcatis-obsito, lobi terminalis triangularis margine dentato varicoso.

In planitie patagonica prov. Valdiviae opposita legit om. G. Cox. — Pars inferior plantae deficit. (sic!) Spica 6 p. longa circa 18-flora, bracteae inferiores 20 l. longae reliquae sensim minores semper ovaria superantes sed flore breviores.

Sepal. superius 13 l. long. fere 4 l. lat. valde acuminatum 7-nervium venis parum anastomosantibus; lateralia 11½ l. longa fere 2 l. lata, 3-v. 4-nervia in parte incrassata subverrucosa. Petala sepalis aequilonga versus apicem fere 3 l. lata 5-nervia; nervi laterales extus semipinnatim ramosi, reliqui versus apicem furcati. Lab. 7½ l. long. fere 7 l. lat. venae circ. 7 processus falciformes gerunt; dentes lobi mediani breves anguli obtusi.

1036. Chloraea odoratissima Kr.

(Asarca odorat. Poepp.)

Speciei quam cl. Richard hoc nomine in opere Gayi V. 464 describit (Ch. odoratissima) Poepp.

... est. Species Poeppigii
flores aurantiacos habet, et cl.
A. Richard vero ei flores albos
tribuit; in A. odoratissima ...
lobus labelli „integerrimus"
est, et in A. odorat. Richardi vero
margine inaequaliter dentatus
est etc. Descriptio A. Richardi
forte melius in A. albifloram
Poepp. convenit, sed quid tum
A. albiflora apud Gay?

Linnaea XXXIII. 1864/5. p. 234.
<u>Habenaria brachyceras Ph.</u>
H. foliolis calycinis lateralib.
deflexis, laciniis petalorum
lateralium recurvis; labelli
trifidi laciniis setaceo-linearib.
calyce vix longiorib. calcare
obtuso calycem vix superante et
ovario multo brevioribus.
Ann. Univ. Chil. 1861. I. p. 79.

364. Prope Vallenar invenit orn. Herm. Volckmann.

Tuberculum quod in uno specim. adest, elongatum 8 l. longum 3 l. crassum. Caulis 6–8 pollic. fere usque ad apicem foliatus; folia inferiora fere 3 p. longa 6 l. lata superiore sensim in bracteas transformantur. Spica circa 10-flora laxa elongata. — Hab. Germaini Ph. simillima sed facile calcaris brevitate distinguenda.

Linnaea XXIX. 1857/8 p. 46.

Habenaria Germaini Ph.

H. caule foliato, vix pedali foliis peracutis; bracteis ovato-lanceolatis, acuminatis germen superantibus, spica densa circ. 12-flora, sepalis lateralib. deflexis, petalis bi-

partitis erectis laciniis filiformibus, superiore vix latiore breviore, labello 3-partito laciniis filiformibus.

In prato quodam humido prope Quillota invenit cu. Germain.

Radix verticillo fibrarum & tuberculo oblongo vix 4 l longo constat. Caulis 9-12 p. altus folia circ. 8 inferiora 3-4 p. longa 5-6 l. lata. Flores virides sepalum superius cucullat. 4 l. long. ovatum lateralia paulo angustiora. An var. Plat. foliosae Brogn. Voyage Coquille Bot 2 p. 195 tab. 38 fig B ? quae tamen bracteis longe angustiorib. spica laxa laciniis petalorum haud foliatis superiore haud filiformi sed ovato-lanceolato differt. Prope Callao & Talcahuano habitat. a Gayo omissa est.

CATTLEYA LABIATA, *Lind.*

It is a strange fact, that in recent times many long-forgotten, good, old plants have been re-introduced. For the last half-century innumerable varieties of C. labiata have filled every stove; but the true C. labiata — the original plant named after Mr. Cattley in 1821, has vanished. We have before us the original description and the original drawing, a masterpiece of Mr. Curtis', in Lindley's *Collectanea Botanica*, and we cite the description, as it is only to be found in one of the rarest and least accessible of books. It runs as follows: "Bulbi fasciculati, epigæi, oblongi suboctogoni. Folia solitaria, lanceolata retusa plana cartilaginea, enervia, atroviridia, rubro-marginata. Spatha duplex, exterior maxima, foliorum fere longitudine, acinaciformis hinc fissa colorata, interior multoties minor. Scapus 1—2 florus, intra spatham inclusus teres glaber. Flores resupinati suavissime lilacini odorati. Perianthii patentis laciniæ, 3 exteriores lanceolatæ acuminatæ, interiores patentes ovato-lanceolatæ, margine crispæ exterioribus multoties latiores. Labellum obovatum cucullatum carnosum porrectum limbo margine eroso, undulato, intus pulcherrime luteo et rubro venosum versus apicem intense purpureum. . . . . The description of the gynostemium is of no interest in this place."

Mr. Curtis's drawing shows us a very handsome flower, about 5 inches across, the sepals and petals more acute than in the varieties now cultivated. The general colour is a very rich rosy-purple, with a light bluish hue; the labellum very slightly serrulated with a deep blood-purple blotch at the top, and bordered with white. The bulb is eight-edged, and the sheath double, the inner one much smaller than the outer. The bulbs, at the flowering time, are about four months old, and not fully matured. These two characteristics are peculiar to the species, and do not usually occur together in other Cattleyas. *Dr. Kränzlin, Berlin.*

From the "Gardeners' Chronicle," Sept. 19, 1891, *p.* 343.

NEW OR NOTEWORTHY PLANTS.

THUNIA MASTERSIANA, *n. sp.**

* *Thunia Mastersiana*, n. sp. — Planta elata 3—4 pedes alta distichophylla. Folia glauca oblongo-lanceolata v. lanceolata, 10 poll. longa, 1·5 poll. lata, suprema breviora racemum superantia. Racemus pluriflorus. Bracteæ oblongæ acutæ naviculares sub-antheri, persistentes reflexæ ovariis sub-breviores. Sepalum dorsale lineare oblongum (v. ligulatum) acutum; lateralia paulum majora postice in pseudocalcar breve conicum producta; petala paulo minora subæqualia, labellum campanulatum (explanatum fere quadratum) brevissime apiculatum margine revoluto undulato dentato decorum, disco lineis 7—9—11 elevatis crispatulis antice ramosis instructum. Gynostemium postice rotundatum marginatum apice, dilatatum tridentatum adjectis dentibus quibusdam minoribus; labello paulo brevius. Flos 2·5 poll. diametro, omnino candidus, labelli calli aurei purpureo-marginati. Flores racemi omnes coætanei.—Ex Moulmein; importari jussit, F. Sander, Verulamensis.

THIS is a new and exceedingly handsome Thunia. The plant is of strong, robust habit; the stems immediately above the ground are as thick as the thumb; they are more than 4 feet in height, with glaucous, densely crowded, distichous, and strong, dorsiventral leaves of 10 to 12 inches in length by nearly 2 inches in breadth. In general appearance the plant is more like a Palm than is any other Thunia. It is, of course, nearly allied to T. alba, Rchb. f. (Phaius albus, Lindl.), and perhaps even more closely to T. pulchra, Rchb. f. (introduced twenty or more years ago by Mr. Low), but it differs from both. Firstly, the growth of this species is more luxuriant in every part; secondly, the flowers, although very beautiful, are scarcely half the size of those of the two allied species; thirdly, the labellum is more campanulate, or bell-shaped, only the extreme margin is revoluted; it is extremely finely serrulated, and the basal part is protracted into a very blunt spur (in T. alba the spur is well-developed; in T. pulchra it is altogether wanting). All these characteristics are plainly shown. The peculiarities of the rather large gynostemium are more nearly like those of T. pulchra. The plant was introduced from Moulmein, and flowered during the last weeks of July and first of August, at St. Albans, in Mr. F. Sander's houses. The new species is named in honour of Dr. M. T. Masters.
Dr. Kränzlin.

From the "Gardeners' Chronicle," Oct. 10, 1891, *p.* 420.

ACAMPE MADAGASCARIENSIS, *n. sp.:* AFFINIS A. PAPILLOSÆ, *Lindl.* (=SACCOLABIO PAPILLOSO, *Lind.*)*

THIS is a curious little thing, of merely botanical interest—a Vanda-like plant, with thick leathery leaves, and a small flower-stalk of minute whitish flowers, with a labellum of a faint rose-purple; that is all! notwithstanding, the plant is an interesting one. It connects the Indian species of Acampe with the newly-detected one in the south-eastern parts of Africa; it is the first Acampe known from Madagascar, and it shows that Indian types of Orchids also occur in Madagascar. There can be no doubt that it must be placed near A. papillosa, Lind., and cephalotis, Lind., with which it agrees in habit, and from which it differs only by some peculiarities of the very small flower. The author is indebted for the material to Messrs. F. Sander & Co., St. Albans. *Dr. F. Kränzlin, Berlin.*

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* *Acampe madagascariensis*, n. sp.: *Affinis A. papillosæ*, Lindl. (= *Saccolabio papilloso*, Lindl.)—Sepalis oblongis lateralibus subfalcatis; petalis lateralibus lineari-oblongis angustioribus omnibus obtusissimis; labelli lobis lateralibus fere obsoletis mediano oblongo, margine undulato basi callo v. linea transversa instructo disco verrucoso (nec papilloso); calcari subcompresso oblongo obtuso ⅓ ovarii æquante labello fere æquilongo intus piloso; gynostemio brevissimo, anthera supra carinata, retinaculo lineari tenuissimo. Folia lorata crassissima, 3—4 poll. longa, ⅓ poll. lata. Racemi brevissimi capitati, rhachis crassissima, bracteæ fere nullæ, flores inter minimos generis, 3—4 lin. diametro, albidi, labellum roseolum.—Ex insula Madagascar importari jussit. Fr. Sander v. cl. Verulamensis. *Dr. F. Kranzlin.*

From the "Gardeners' Chronicle," Nov. 21, 1891, *p.* 608.

CYPRIPEDIUM MACFARLANEI, *n. hyb.**

THIS very beautiful new hybrid was raised in the nursery of Messrs. F. Sander & Co., St. Albans, and flowered in the month of August in the well-known collection of Cypripediums of R. H. Measures, Esq., The Woodlands, Streatham. It is, as mentioned below, the offspring of C. calophyllum × and C. Spicerianum, the latter being the pollen plant. The new plant has the size and the beautiful upper sepal of the male, but more flat, and not so revolute on the edges. The labellum, and to some extent the staminodium, look perfectly like the corresponding parts in C. Spicerianum. From the mother plant—C. calophyllum—the hybrid has taken the petals, which are more spreading, and the upper margin of which is less waved, and the dark reticulated leaf. The plant has been named in honour of Mr. Macfarlane, the artist. *Dr. Kränzlin, Berlin.*

COELOGYNE MICHOLICZIANA, *n. sp.*†

The description of this new and very beautiful Cœlogyne is made from a flower preserved in alcohol, with bulbs, leaves, seed-pods; and notes written at Macassar by the collector. It is to be hoped that this singular species will soon appear in this country, The flowers are snowy-white, waxy, and somewhat transparent. The labellum is on the whole of the inside, of a beautiful shade of brown, and looks as if it were lacquered. Regarding the position of this new species, it must be ranged under the tribe of Filiferæ, or species with very narrow thread-like petals, as for instance in C. speciosa, Lindley. The large, flat, smooth, cushion-like callosity laid over the whole disc of the labellum is quite peculiar. The plant may bear the name of Mr. Micholicz, the zealous collector of Messrs. Sander & Co., to whom we are indebted for the valuable material for this description. *Dr. Kränzlin, Berlin.*

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* *Cypripedium Macfarlanei*, n. hyb. (C. calophyllum ♀ × C. Spicerianum ♂).—Sepalo dorsali latissime ovato acuto carinato plicato albido tenerrime roseo superfuso basi viridi; sepalis lateralibus (sepalo inferiore), ovato acuto plicato pallide luteo-viridi; petalis oblongo-linearibus obtusis margine superiore undulatis pilosis (nec verrucosis), viridi-brunneis linea mediana crassa adjectisque utrinque tenuioribus punctulatis fuscis; labello basi viridi antice et supra brunneo margine anteriore orificii leviter emarginato margine posteriore purpureo-punctulato; staminodio late cordato supra bipartito purpureo verrucis minutis atris decoro. Totus flos 4 pollices latus, 3 poll. altus, sepalum dorsale fere 2 poll. latum. Folia lineari-lanceolata acuta laete-viridia reticulata, 8—10 poll. longa, $1\frac{1}{4}$—$1\frac{1}{2}$ poll. lata.

† *Cœlogyne Micholicziana*, n. sp.—Pseudobulbis subtetragonis, 2—3 poll. altis, $1\frac{1}{4}$ poll. diametro; foliis 2 obovato-lanceolatis acutis, 5 nerviis; racemo bifloro 10 poll. longo nutante; bracteis angustissimis convolutis ovariis longioribus; sepalo dorsali oblongo-ovato acuto, lateralibus acquilongis angustioribus omnibus basi cucullatis; petalis acquilongis multo angustioribus linearibus acutis, labelli lobis lateralibus erectis, $\frac{1}{3}$ totius labelli æquantibus antice rotundatis obtusis intermedio latissimo lineari antice retuso apiculato per totum discum callo lævi et apicem versus lineis 3 convergentibus instructo; gynostemio sepalo dorsali fere æquilongo eique adpresso curvato supra incrassato, anthera plana, rostello latissimo; capsulæ hexagonæ 3 poll. longæ, alis manifeste prosilientibus.—Totus flos albus, sub pellucidus, callus labelli et pars interior loborum pulcherrime brunneus vernixius.—Qu. Nova Guinea detexit Micholicz, v.-el. Domini, F. Sander collector sedulus. *Dr. Kränzlin, Berlin.*

From the "Gardeners' Chronicle," Sept. 12, 1891, p. 300.

370.

AËRIDES LAWRENCEÆ, *Rchb. f.*, VAR. AMESIANA, *Sander.*

THIS is a new and wonderful variety of a handsome plant. The flower-stalks are more than 2 feet long, and except at the very base, densely crowded with richly-coloured and splendid flowers. In size, the flowers rather exceed the largest of those of the typical A. Lawrenceæ. The general colouring is a light orange-yellow, spreading over the whole flower to the top of the spur, which is not green as in the type. The purple tips of the sepals and petals, and the middle lobe of the labellum, are larger, and the purplish line in the throat of the labellum is broader, and bordered with many radiating stripes of purplish spots, and blotches of the same colour.

As regards the flowers only, there can be scarcely a doubt that we have before us but a darker-coloured form of the var. Sanderiana; but a glance at the whole plant shows us that we have to do with a specimen which, if there were no identity in botanical characteristics of the flower, must be regarded as a true species. It is well known that A. Lawrenceæ—the type—is a sturdy grower, with leaves 2 feet in length, and of considerable breadth; it is also known that the Sanderian variety, with its deeper-coloured flowers, has much narrower leaves, which are shorter than the spikes, and a more flaccid growth. In our new variety, Amesiana, we find a growth even more robust than in the typical A. Lawrenceæ, with shorter, more rigid, darker-green leaves, which are much shorter than the spikes; and these characteristics are further marked by the presence of the darkest colours to be seen in any Aërides.

A gardener as well as a botanist who studies not the flowers alone, but the whole plants, will easily distinguish the type and the two varieties from the habit of growth, and he might suppose that these three different kinds of stems and leaves must produce three different forms of flowers; but man proposes, and these capricious Orchids dispose. As the growth of A. Lawrenceæ Amesiana is quite distinct, and the leaves are shorter, darker, and stronger than even in the typical plant, and quite different from those of Mr. Sander's variety, it is certain that we have not in this case to deal with "natural hybrids." This term is the flag beneath which all little-known variations of well-known species sail; but that we must admit an extent of variation greater than we supposed before, and large enough to include, perhaps, still more varieties.

We received splendid specimens of leaves and flowers from Messrs. F. Sander & Co., St. Albans, who introduced the type in 1883, and this year sent out this new variety. If any doubt still remained, it must have been dispelled by comparing living specimens, as we had the opportunity of doing on the occasion of our pleasant visit to St. Albans last July. *Dr. F. Kränzlin.*

From the "Gardeners' Chronicle," Oct. 3, 1891, *p.* 393.

Appendicula Peyeriana, *n. sp.**

The genus Appendicula is not very frequent in our collections. We received fresh materials from Mr. Ortgies, of the Botanical Garden at Zurich, Switzerland, to whom it was given by Mr. Peyer. We are indebted to this gentleman for many very interesting introductions from Sumatra of old, half-forgotten species, and we are very glad to have the opportunity to dedicate to him this new one. Imagine a small Dendrobe, with long, tender, drooping branches, with nearly opposite leaves, and two or three little white flowers, enclosed in somewhat showy white leaves or bracts on the top of the branches, you will then have a true idea of this plant. *Dr. F. Kränzlin.*

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* *Appendicula Peyeriana*, n. sp.—Affinis A. callosæ, Bl. Sepalo dorsali triangulo acuminato tricarinato, carina mediana in apicem producta, lateralibus longioribus in pseudocalcar ipso et ovario æquilongum elongatis dorso manifestius carinatis; petalis lateralibus subsimilibus paulo minoribus, medium usque tantum leviter carinatis; labello paulum longiore late lineari antice subspatulato convoluto calli 2, pone marginem antice in disco confluentibus ibique evanescentibus instructo; gynostemio e basi latissima angustato apice bidentato; anthera 2-loculari acuminata purpurea; polliniis 6 roseis; rostello bidentato.—Caulis tenuis subcompressus vaginis foliorum non dentatis vestitus. Folia oblongo-linearia antice suboblique biloba medio apiculata, 1 cm. longa, 2 mm. lata. Inflorescentia terminalis pauciflora (biflora, an semper?); bracteis paleaceis oblongo-ovatis obtusis aristulatisque albis pallide rosaceis vestita. Flores albi subcompressi sepala petala labellum ad 3 mm. longa, sepala in pseudocalcar 3 mm. longum elongata. Ex insula Sumatra importari jussit Dominus Peyer, v. cl. Turicensis.

From the "Gardeners' Chronicle," Dec. 5, 1891, *p.* 669.

372. Botan.-Ztg. 1882 (40 Jahrg.) 341, 342.

Ein neues Angræcum aus Abessinien.

Von

Fr. Kränzlin.

Unter einer Anzahl Pflanzen, welche von Herrn G. Rohlfs an das botanische Museum zu Berlin gesendet waren, befanden sich zwei Orchideen, welche mir zur Bestimmung übergeben wurden. Die eine derselben war *Eulophia guineensis* Lindl. (*Saccolobium abyssinicum* Hochst.), die andere ein *Angræcum*, welches für neu zu halten, ich nicht umhin kann. Hier die Diagnose:

Angræcum Rohlfsianum n. sp.

Radicibus pro plantae magnitudine crassis. Cauli brevi, distichophyllo. Foliis cuneato-obovatis, valde inæquilateris, obtusis vel rotundatis, subtus reticulatis, ad 20 cm. longis, infra apicem 3,5 cm. latis.

Racemis strictis, foliis paullo brevioribus v. æquilongis, vaginis 2—3 brevibus apice obtusis ringentibus, in bracteas breves obtusas haud vaginantes abeuntibus instructis, 6—8 floris, subflexuosis.

Floribus distantibus. Pedicellis et ovariis filiformibus 3,5 cm. longis. Sepalis lanceolatis, longe acuminatis, 1,8 cm. longis, ad 0,5 cm. latis. Petalis tertia parte brevioribus, ovali-lanceolatis. Labello petalis æquali. Calcare pedicello ter longiore (15 cm. longo), antice curvato filiformi. Gynostemio 4,7—5 mm. longo, leviter recurvato. Limbo (utroque stigmatis latere) dimidium totius gynostemii æquante, subtus in dentem brevem sed manifeste evolutum excedente. Anthera obsolete biloculari, supra brevi-apiculata, ceterum plana. Pollinario, stigmate *Angraeci bilobi* Lindl. Flores albi.

Abessinien. Wadi Woina, 27. Dec. 1880. leg. Steckert. 373.

Diese Art gehört zu der Gruppe kleiner *Angræcum*-Arten, deren am längsten bekannte Art *A. bilobum* Lindl. (*A. apiculatum* Hook.) ist. Sie unterscheidet sich von derselben durch die aufrecht stehenden Blüthenstände, die völlig abweichenden Dimensionen der Blüthentheile und die Form der Blätter. Von *A. campyloplectron* Rchb. fil. gleichfalls durch die Form der Perigonblätter, die bei *A. Rohlfsianum* auffallend schlank und spitzig sind, durch die abweichenden Biegungsverhältnisse des Spornes, der keine doppelte (Sigma-) Curve beschreibt, wie bei jener Art, und der die Länge des Labellums um das 9fache, die des Ovariums um das 3fache übertrifft. Von *A. arachnopus* Rchb. fil. endlich, dem sie am nächsten zu stellen sein dürfte, durch die steif aufrecht stehenden (nicht fadenförmigen), 7—8 Zoll langen (aber nicht mehr als fusslangen) Blüthenstände, ferner durch den Sporn der drei Mal (aber nicht zwei Mal) länger als das Ovarium ist, sowie durch die flache, oben mit einer kleinen Spitze versehene Anthere. Durch eben diese aussergewöhnlichen Verhältnisse von Sporn und Labellum unterscheidet *A. Rohlfsianum* sich von den neuerdings publicirten, gleichfalls Ost-Afrika angehörigen *A. Rohrii* Rchb. fil. und *A. megalorrhizon* Rchb. fil.; anderer Unterschiede nicht zu gedenken.

Gross-Lichterfelde, Berlin.

374. Gard. Chron. 1892 I, p. 234.

New or Noteworthy Plant.

CYPRIPEDIUM CHAMBERLAINIANUM, *O'Brien, n. sp.* (See fig. 34.)

This is a surprisingly beautiful and distinct novelty, and quite unexpected by its lucky importers, Messrs. F. Sander & Co., of St. Albans, who, when sending their collector to a hitherto unsearched part of New Guinea, had little hopes of gaining such a plant, which, in addition to being an entirely new species, is also the first of a totally new section of Cypripedium. The plant is robust, and resembles a giant C. Spicerianum, or it might easily be taken for a large Angræcum pellucidum, so distinct is its growth from that of any other species.

From the evidence of the dried spikes sent over by the collector, and those which opened immediately after their arrival, and from which our illustration was prepared, it is seen that native specimens have spikes showing from twelve to twenty or even more flowers on a spike, each flower springing from a stout and ornamental bract. The flowers themselves may be likened in colour to those of C. superbiens or C. Morganæ, but in their botanical features there is nothing to compare them with. The dorsal sepal is yellowish-white, with six rosy-purple lines, three on each side of the mid-rib, and the base of the sepal has a profusion of rosy-purple spots. The lower sepal is similar to the upper, but smaller; and a very peculiar feature in both is, that they are strongly pubescent or hairy on the backs. The petals are spreading, curled, and twisted, and beautifully spotted with crimson, the margins undulated and furnished with white hairs at the edges. The labellum or pouch is white, beautifully and densely spotted with rose colour on the lower portion. Altogether it is a charming plant, and well worthy to bear the name of the Right Hon. Joseph Chamberlain, M.P., to whom Messrs. Sander have requested it to be dedicated. *James O'Brien.*

Flora Bd 25 (50) 1867 117.

Angraecum Burchellii Rchb.

Subacaule, radicib. aëreis fasciculat. elongat. fol. lin. obtuse acut. apice subobliqu. pedunculi capillaris apice racemos. bract. ovat. acut ochreat. pedicellos subaequantib. sep. sep. que obl. acut. labello naviculari acuminato apice uncinato, calcare cylindraci obtus. ovarii tertiam partem non aequante.

Burchell 5881. Sylvan Station
Outeniqualand S. Afrika.

374. 374 6

MASDEVALLIA ROLFIANA, *n. sp.**

* *Masdevallia Rolfiana*, n. sp.—Tubo subcompresso infra ante basin constricto; sepalo dorsali triangulo extus carinato in caudam ipso ter longiorem porrectam elongato, lateralibus subobliquis oblongis sensim in caudas intermedias breviores ipsis sesquilongiores revolutas protractis; petalis minimis oblongis retusis (fere linearibus); labello æquilongo antice obtuso articulato, basi subcordato; gynostemio æquilongo, aud rostinio postic denticulato, anthera minutissime-verucosa. Perigonium extus et intus basi sulfureum, retenceæ castaucum caudæ basi, viridiluteæ luteæ antice intense, petala furca eodem colore quo sepala intensiora labellum dilute purpureum maculis intensioribus. Folium 3 to 4 inches (8 to 10 cm.) longe; tricuspidatum crassissimum obovatum obturum. Floruit mense Fulio in caldaviis, F. Sander v. ill.

A VERY remarkable new species, in the way of M. velifera, Rchb. f. The flowers have, with the tails, a length of 6 cm. (2½ inches), the tails themselves being about 4 cm. (1½ inch). The upper one is straight; the lower ones are curved backwards at the base, and upwards at the ends. The whole flower has a rich chocolate-brown colour, except at the basal parts of the tube, where it is honey-coloured. The thick and leathery leaf is about twice as long as the one-flowered flower-stalk; it is obovate-cuneate, 3-toothed at the apex, the middle tooth is much smaller than the lateral ones. The flower-stalk is very short, having scarcely the length of the pedicelled ovary, which is itself much longer than its sheath leaf.

The plant flowered in July last year, in the collection of Messrs. F. Sander & Co., at St. Albans; it was shown at one of the meetings of the Royal Horticultural Society. It seems to be a very good grower, as all the specimens seen by us showed a very luxuriant deep green colour in the leaves, and flowered profusely. With the approval of Mr. Sander, we dedicate this species to Mr. A. Rolfe, F.L.S., Asst. Roy. Herb., Kew. *Dr. F. Kränzlin.*

SOBRALIA LOWII, *Rolfe, n. sp.**

This is a dwarf and pretty little species, introduced some few months ago from the Cauca, New Granada, by Messrs. Hugh Low & Co., of Clapton. There are several plants, with stems varying from 12 to 18 inches high, and as all are showing flower, it appears to be a free-flowering little species. The flowers are of a uniform bright purple shade. It is closely allied to S. sessilis, Lindl., and S. decora, Batem., but the colour and other details of the flower, as well as the native country of the plant, are quite distinct. I cannot find that it has hitherto been described, and therefore propose to name it after the firm which has introduced it and so many other useful garden Orchids. *R. A. Rolfe.*

in a few favoured spots), and the wood has been

SOBRALIA WILSONIANA, *Rolfe, n. sp.*†

The Sobralias are among the glories of Tropical America, as various travellers have borne testimony, yet it must be confessed that, with a few exceptions, they are not great favourites in gardens, on account of the room they require, and their fugacious flowers; while to the botanist they present considerable difficulty in their satisfactory discrimination. The subject of the present note is no exception; but it is an exceedingly fine species, and well worthy of a place in the most select collections. It was introduced from Central America with S. leucoxantha by Messrs. F. Sander & Co., of St. Albans, from whom a specimen has been received at Kew. A plant has also been acquired by A. Wilson, Esq., of Westbrook, Sheffield, who has also sent a plant, and after whom the species is named. Several very fine things have been sent to Kew from this gentleman's collection, notably the rare and beautiful Odontoglossum Harryanum flavescens. Sobralia Wilsonianum appears to be a near ally of S. Warscewiczii, Rchb. f., known to me only by a single flower sent by Sir Trevor Lawrence, and which I suppose represents the genuine species. That species, however, has a shorter and broader lip, shorter and less acuminate segments, and somewhat deeper colours. The vegetative organs may also present differences were I able to compare them with each other. I believe it is a comparatively dwarf species, somewhat resembling S. leucoxantha, Rchb. f., in habit and stature. *R. A. Rolfe.*

76.

MASDEVALLIA PICTURATA, *Rchb. f.*

This is a very small species, but a gem *par excellence.* The tuft of small leaves seldom exceeds 2 to 3 inches in height. The peduncles are equal in length to the leaves, and one-flowered. The ribs of the small ovaries are exceedingly wavy; sepals totally free one from another, whitish, with green nerves, very oblong, with long green tails, and fine blackish-mauve spots on the oblong part; lateral sepals with orange at the base. The petals are very curious, falcate, with a strong tooth at the top, and a small one below it on each side, and a blunt one over the base in front; upper half white over the median vein, lower light sulphur. The lip has rounded side laciniæ, and a ligulate central lacinia ending in three knobs, the middle one being more developed. Column light green. This lovely thing is just to hand, kindly sent by Mr. Fred. Sander. I do not know anything of its having flowered before in Europe. It has been collected by Wagener, Fendler, and Arnold. *H. G. Rchb. f.*

7/I 1882.

+

Flora Bd 25 (50) 117.

Aeranthus Gerrardi - Rchb f.

Caule elatiore, tenui; radicib. elongat. perforato. folior. vagin. nervos. lamin. linear. apice valde inaequalib. lobo altero producto obt. racemis pluri-floris, folia non aequantib., bract. minut. sep. ligulat. obtuse acutis pet. ovatis, labello flabellato obtuse 3lobo, lob. lateralib. obtusat. lobo medio acutiusculo lato brevi, calcare labello sublongiore uncinato, rostello ornithorrhyncho.

T. Natal. Gerrard.

378. Gard. Chron. 1881. I p 40.

<u>Coelogyne Arthuriana</u> Rbh.f.

Pseudobulbo obtuse 5 angulo parte superiore conica insidente; bractea arcta ovario breviori, labelli carinulis longioribus. Reliqua Coelogynis maculatae sed tepala lineis 2 violaceis munita & labelli lobus anticus purpureo continue praetextus. - Arth. Veitch dicata.

Very much like those of the well known C. maculata, but with 1 or 2 long & conspicuous lines of mauve on the petals with an deep mauve-purple continuous border to the anterior lobe of the lip. Bulb approaching that of C. Lagenaria in its abrupt upper part - bulb with 5 strong blunt conspicuous angles.

Gard. Chron. 1881 I p. 40.

Oncidium Brienianum Rchb. f.

E grege O. pubis Ld. Pseudobulbis clavatis brevib. 2phyll.; fol. lanceol. acut.; panicula densissima brachyclada secunda; sep. 2 inferiore connato bifido; tep. valde dilatatis, labelli corpore crasso rugoso in 3 sectiones diviso, divisione infima transversa rugosa, laciniis lateralib. semilunatis obtusis lacinia antica parva firma trapezoidea tantum ima basi callosa; columnae auriculis semilunatis apice denticulatis omnino ciliolatis.

Varietas rufida, maculis confluentibus propter lecto flores gerit, dum var. sulphurea parce striolata.

Ex Paraguay imp. Henderson & primum distinxit James O'Brien.

A curious spec. with short pseudobulbs & compact nodding [illegible]

 flower stalks. The flowers are of a clear ~~bright yellow~~ sulphur colour, the anterior blade at the lip is very small & forms what is an especial peculiarity. There is a reddish variety var. rufida, which is nearly covered with cinnamon colour, where the yellowish variety flavida. has much broader flowers with distant cinnamon - bars.

Gard. Chron. 1881. I. p. 40.
~~Monachanthus~~
Catasetum tigrinum Rchb. f.
(Monachanthus)
Sepal. ligulat. acut. tepal. oblong. acut. lab. ligulato triangulo laterib. incrassato apice obscure sulcato ac lobulato, callo obscuro in ima basi ante angulum calicaris subevanidis.

A very curious Catas. with white sep. & pet. the last unusually broad all with numerous cinnamon-coloured bars. The column & lip light whitish ochre-coloured. Lip thick narrow triangular with thicker margins. There is an single tooth on one side of the base in a very irregular way, thus marking the undoubted affinity to the group of C. barbatum. The very broad petals are quite unique, so that the plant claims its especial position.

It was grown by Mr. Dorey, Etherhall, Stafford.

Gard. Chron 1881. I p. 168. not

Odontogloss. Marriottianum. a hybrid

Pseudobulbo oblongo-ligulato demum sulcato diphyllo, Fol. line lanceol. acuminat. Racemo plurifloro (panicula?) grandifloro; sep. lin.-lanc. undulatis tortis, sep. multo latiori ...

382 cuneato-oblongis undulatis ciatis; labello unguiculato oblongo lobulato denticulato crispulo, carinula lineari in basi, carina sublatiore antice acuta utrinq. opposita contigua; carinulis parvulis planis. circumstantib. columna utrinq. sub fovea angulata. alis laceris.

Shape of bulb nearest to O. Hallii hat auch im Habitus der Blt viel von Od. Hallii aber die Lippe von Od. crisp. Die Blüte ist weiss mit purpurner Mittellinie aussen auf d. Sepal. & zahlreichen kleinen purp. Fleckchen innen. Lippe mit gelbem Discus mit braunen Linien

Es kam [vor] zwischen Massen von Od. cirrhosum (Marriott Exotic nursery)

Anm. Es ist also eine variable Form & kann kein Bastard zwischen Hallii & crispum sein.

Gard. Chron. 1881. I. p. 169

Oncidium phylloglossum Rf.

[Cyrtochilum labello elongato exappendiculato]

Pseudobulb. oblong.-pyriformib. ancipitib. utrinq. obscure 2-3 costat. diphyll.; fol. cuneato lanc.-acutis; paniculae ramis fractiflexis abbreviat. bract. parv. sepalo impari unguiculato, lamina transverse triangula crispula denticulata; sep. lateralib. obl. acutis, basi bene cuneat. undulat. tep. brevior latior unguiculat. hastato-triangul. acutis energetice undulat. denticulat. labello basi utrinq. rhombeo-triangulo antice late ligulato obtuse acuto, callo disco basi usque in basin, laciniae anticae obtriangulo-retusae parte superiore cuneata utrinq. angulata & quinqueangulata antice lamellis 2 utrinq. incumbentibus apiculo interjecto. Col. gracillima angulata superne retrorsum flexa aptera.

384. Ex N. Granada imp. Bull.
Very near Onc. ventilabrum — but with a very distinct lip. The flowers are shining light horse-chestnut brown, the sep. & pet. bordered with yellow, the odd sep. & the pet. being unusually waved. The curious lip has yellow borders at the very base & a white top. The calli are light yellow. The col. is bent backwards in an angular way & greenish. None of the various flowers kindly sent at 2 periods has any wings.

Gard. Chron. 1881. I. p. 169.
Acanthophippium Curtisii Rf.
Pseudobulbo columnari, racemo paucifloro. Sep. lat. in sacum obtusum liberum ovarii pedicellati 1/3 aequantem extensis; sep. impari oblongo obtuse acuto.

sep. lat. latiorib. supra saccum antice connatis, labelli ungue crasso lineari laciniis lateral. semioblongis postico latere emarginat. apice apiculatis; lacinia mediana porrecta subcuneata ovata obtuse acuta, carinae inter lacinias laterales elevatis 5 omnib. medio angustis.

The flowers have the shape of Acanth. bicolor. The pedicelled ovary is purple. Perigon rose except the lip with numerous purple spots of flesh. Nail of lip yellow, keels yellowish, laciniae white with purple. Column white. The 5 keels between the side laciniae are an excellent mark of distinction from the 2 comparable species A. bicolor & sylhetense, the 2 Lindleyan ones.

Imp. J. Veitch & Sons from the Malayan Archipelago.

386. Gard. Chron. 1881. I. 202.
Masdevallia fasciata. Rchb. f.
Aff. M. heteropterae.
Sep. impari elongato oblongo fornicato, longissime caudato; sepalis lateralib. lanceis longicaudatis sep. ligulat. basi decurrentib. apice bidentas. dente altero acuto, altero obtuso, labello pandurato.
New Granada. F. Sander & Co.
The first ally to M. heteromorpha that has yet appeared. It has the lip not near the adhesion of the ovary but removed from it by a long production of the foot of the column which forms a chin in connection with the sep. The odd sep. is oblong convex hooded with a filiform tail much surpassing the its length. Even in the dry state there appear fine mauve bands on a light ground.

The even seps. are narrower & may have been white. They are simply cuneate descendent at the base bidentate at the top, the anterior tooth being acute. The free lip is pandurate. Lg. [illegible]

Gard. Chron. 1881. I p. 262.

<u>Odontoglossum deltoglossum</u> Rchf. fil. Hybr. nat? Racemo gracili florib. stellat. sep. tep.q. lanceis acuminat. undulat. labello brevissime unguiculato deltoideo crispo lobato denticulato acuminato, callis geminis ericinaeformib antice & ante apicem dentatis; columna gracili supra basin angulata alis cirrhosis.

Appears to be a nat. mule between Od. leucopterum & odoratum. Seps. & pet. lanceol. acumin. spreading undulate sulphur-colour with brown blotches & [illegible]

388. Lip deltoid with very short margin, lobed, wavy toothletted sulphur with an orange base & with little brown stripes on each side of the base & a much larger brown obcordate blotch on the disk; 2 fleshy bidentate keels on the superior disk. Column slender with single tendrillike wings as in Od. odoratum whitish yellow with brown in front. Happeared in a collection of Od. Alexandrae & gloriosum in the establish of J. Veitch & Sons.

Gard. Chron. ~~1866~~ 1881. I p 266.
Microstylis chlorophrys — Rf.
E grege Micr. versicoloris.
Foliis oblong. acutis margine valde undulatis, racemo paucifloro; bracteis triangul. uninerviis ovaria pedicellata longe non aequantib.

(roseis) sep. triangul. sep. linear. acut. labello sagittato trifido, laciniis lateral. abbreviat. 2dentat. dentib. antrorsis, lacinia mediana triangula bidentata longe producta, lamella transverse-oblonga medio-apiculata in basi. — Borneo, introd. Bull.

A very good pendant to Micr. metallica. The whole plant is of a brownish or purple tint. so that the light green border of the leaves (sepia brown above light purple beneath) offer a contrast of the nicest effect. The peduncle light rosa with purple ribs; the flowers purple with the ears of the sagittate lip ochre coloured. The curious shape of this organ is quite peculiar & offers the best feature of the species. It is trifid. the middle lacinia is prolonged triangular bidentate, & the very much shorter lateral laciniae are bidentate with .... se teeth.

390. Gard. Chron. 1881. I p. 266.

Octomeria cochlearis Rf.

Caule secundario breviusculo laminam folii vix aequante; folio oblongo elliptico apiculato, marginato cochleari excavato; pedunculo 1 (semper?) floro porrecto, sep. lanceis acuminato caudatis; sep. e basi latiore caudatis, labello trifido, lacin. lateralib. semiovat. erect. lacinia mediana triangulo oblanceolata antice retusa cum apiculo in sinu, carinis 2 in disco basilaris (sic!) carinula interjecta.

The cochleate very strong leaves are glaucous purple beneath with numerous transverse furrows. The flower is whitish ochre bent sideways very Restrepioid from its tailed sep & pet. The fine trifid light sulphur lip has 2 keels in its

basilar disk with a very small [illegible] i.e. included. The side laciniae are semiovate the much larger middle one is obtusangled triangular with a retuse emarginate apex containing a small apiculus. It is full of hairs & there is a mauve purple irregular blotch on its disk.
From Brazil import. by W. Wallace Colchester where it flowered Nov. 1880.

Gard. Chron. 1881. I. p. 330.

<u>Pescatorea Dormanniana Rchb.f.</u>

Aff. P. Lehmanni & Klabochorum: Sep. cuneato-oblong. apiculat. tep. subaequalib. magis dilatat. labelli laciniis lateral. triangul. mediana producta oblonga marginib. omnib. revolut. propalis filiformib. acuminat. setosa, cristis 17, mediani 3 connatis porrect. externis in laterib. posticis laciniarum, lateralib. angulatis; columnae basi [illegible]

392. The sagittate base of the col. & the very characteristic callus at the base of the lip appear to distinguish it well, there being a continuous row of angles on the posterior margin of the side laciniae such as I have not seen before. The 3 prolonged connate median keels are very peculiar too. The whole flower is narrower & hence very elegant in its appearance. A chaste beauty is it. The flower is white with some light sulphur at the crest & as I believe on the ends of the sep. — It was sent by Charl. Dorman. Sydenham.
F. Sander informs me that it is a discovery of the late Franz Klaboch.

Gard. Chron. 1881. I. p 462.

~~[illegible]~~ Collabium simplex Rchb. f.
Foliis in bulbo teretiusculo brevi 2

cuneato-oblong. acut. undulat. 393.
pedunculo laterali basi bulboso tumido
paucis vaginato apice racemoso; ra-
cemus ~~lax~~ laxiusculo; bract. lin.-
lanceolat. ovaria pedicellata subae-
quantib. sep. lin. lanc. lateralib.
in mentum teretiusculum ovarii
dimidium aequant descendentib.
pet. lanc. acuminat. labello ob ungue
brevi subito dilatato, trifido, laci-
niis lateralib. semifoliat. lacinia
mediana elliptica serrulata, cari-
nis 3 per discum, carina mediana
obsoleta; carinis lateralib. in labelli
basi angulifereis. — Borneo.

Short dense dirty purple bulbi
are placed upon a strong slender
rhizome which appears later on to
become green as the older bulbs
are of that colour. The oblong undu-
wavy ~~tough~~ leaves are light green
with very numerous dark green

— Rchb.

394. The strong peduncle has its own short bulbous base, with what appears to be a bud in the axil of a scale. At end it bears a raceme of flowers in the way of those of a Eulophia, surpassing those of C. (Chrysoglossum Bl.) ornatum. The sep. & pet. are greenish yellow with blotches which are brown outside purple inside. Lip white, col. white with purple at the base ~~bent as in~~ Mormodes or Camarotis obtusa.
Sent by Mr. Veitch & Bull.

Gard. Chron 1881. I. 462.

Bollea pallens. Rchb. f.

Sep. obl. obtuse acut. lateralib. sum̄a basi interna involutis, sep. angustioribus labelli callo majus carinis obscuris 17 antice valde obtus. s. evanescentib. in parte

abrupta, lamina subtriangula
omnino marginib. involuta, co-
lumna angustiuscula utrinq. obtu-
sangula disco interno pilosula. Sep.
et Sep. aequore pallidissime purp.-
violacea. Sep. lat. ima basi involuta
atropurpurea, dimidio inferiore ex-
terne pallidissima flavicola. La-
bell. flavid. callo aurantiaco.
Col. basi flava maculis multis
cinnamomeis, zona sulphurea
angulata separata a partib.
reliquis ~~brun~~ bruneo violaceoq.
lavatis. Col. J. Day.

Only a botan. beauty. The
narrow column with median blunt
side angles separates it well from
all known Bolleas & brings it near
Pescatorea. Sep & Pet hell wein
purpur. Lippe grünlich gelb.
Callus orange mit purpurbraunen
Pünktchen

396. Gard. Chron. 1881. I. 46. Rf.

Epidendr. (Osmophyt.) Stangeanum

Pseudobulbo terete monophyllo. Fol. carnoso semiterete subulato canaliculato stricto; racemo pauciflore, bract. lineari-lanc. ovaria pedicellata subaequantib. ovariis sep. q. extus hispidulis; flore obliquo, sep. triangulo-lanc., pet. linearib. acut. labello basi adnato cordiformi acuto basi ecalloso; androclinio simplici integerrimo antice utring. angulato. – Ex Panama introd. cl. Stange.

A tiny plant 5–6" high with rigid blunt leaves of a small fir, flowers shorter inflorescence of very small green flowers like those of E. diffusum. One of the rare instances in this vast genus where the sep. & ovary are covered with short hairs.

Gard. Chron. 1881. I. 498.

Catasetum fissum Lindl.
var. fissum Rchb. f.

Sep. triangulo-lanc. sep. lateralib. oblong. acut. minute denticulat. labelli sacco conico limbo utring. expanso in partem medianam anticam excurrente multifido, laciniis superiorib. linearib. apice plurifidis, laciniis medianis acuminat. acutiore, callo conico ante ostium.

The very conspicuous lip is quite extraordinary in the expansion of its lateral lobes, which remind one of the wings of a bird split into many toothed laminae but the median blunt part has simply teeth. It is prolonged into a conical sac & has a small [illegible] conical callus before its opening.

398. Gard. Chron. 1881. I. 530.

Miltonia Lamarckeana ✕ Rf.

✕ Racemo plurifloro, bract. triang. parvis, sep. pet. q. ligulat. breviter acut. lab. a basi subcordato oblongo medio abrupte dilatato reniforme denticulato crispulo cum apiculo in medio, gibbere rotundato obsoleto in ima basi, carinulis 7 antepositi. media carinula antice bifurcata, columnae tabula projecta alis quadratis angulis. — Omnino ex M. candida & Clowesii hybrida vera.

= M. Clowesii var. Lamarckeana Morren Belg. Hortic. 1876 174 pl. XIII

(Habitus wie M. candida. Sep. & Pet. breiter ~~u.~~ ~~u.~~ & weniger spitz wie in Clowesii hellgelb mit zimt. Querbinden. Lippe herzförmig and. Basis & von d. Mitte an plötzlich verbreitert(?) In jeder Hinsicht ein Mittelding zwischen candida & Clowesii also vermutlich ein Bastard.

Gard. Chron. 1881. I. 530.

Kefersteinia mystacina. Rchb.

Simillima K. graminea sed labelli callo transverso utrinq. obtusangulo multo latiore, medio antice minutissime obtusangulo, ima umbone superscidente, crassibus lateralib. accumbentib. lamina triangula obtusa in lacinias longe laceras soluta; col. sine carina sub fovea. — Columbia

Zygopet. mystacinum.

leg. Falkenberg, misit Kienast-Zölly – Zürich.

Blt. gelblich grün. Callus weiss mit purp. Pünktchen. Rd. d. Lippe ist stark gefranzt. Zu Col. von Falkenberg gesammelt, an F. Sander geschickt, von K. Zölly angekauft & in Zürich zur Blt. gebracht.

400. Gard. Chron. 1881. I. 563.

<u>Saccolabium borneense. Rf.</u>

Affine S. densifloro Ldl. Fol. oblong. apice inaequaliter bilob. racemo densifloro. bract. triangulo-setac. sep. sep.q. oblong. acut. labelli 3fidi lacin. lateral. ovat. denticulat. (nec triangulis integerrim.) intus callo tabulaeformi isthmo recto a lacinia mediana separatis, lacinia mediana carnosa ligulata c. apiculo, calcari compresso apice dilatato retuso, laminulis uncinat. 2 sub columna, callo in pariete antico calcaris mediano. Sep & pet. cinnamomea apice & basi ochracea, labell. lineolis quibusd. purpureis.

Borneo - introd. Bull.

Sieht aus wie eine schöne Vanda & bringt einen Sarcanth.-ähnl Blt.-Stand

Presl. Reliquiae Haenkeanae. 97.

Habenaria linifolia Presl.

[S]capo pauciflo. fol. lin-lanc. sep. integ. [la]bello lin-oblongo integerrimo basi angulato [..]-lobis ovarii longiorib.

Radices.... Scap. 7" glaber. vaginis folio[..] [...]ol. 5. Folia pollic. lin-lanc. acuta. [S]pica 2" laxa, obtuf. vix 18 flora. [Br]act. 5''' lon-lanc. acum. membr. glabr. [F]lores glabri. Perianth. sepalis 5 ovatis [..]tusis subobliquis glabris flavescenti[..] [..]is ½ 3''' excedentib. Lab. e latiore [..] [li]n-oblong. obtuf. deflex. in latiore [p]arte prope basim utrinque in angul[..] [p]roduct. Calcar lineare obtuf curvat. [o]varii longitudine. Ovarium glabr. [...]le ... brevis. [I]n Peruvia ad Huanuco.

402

Nepal, ... pl. jap. 121.

Habenaria Kaisnei. Nix.

... fol. infer. ... lat. seg... ovat. obtusinsc. later. ... carnosa. laterali ... basi latiore subuncinat ... lab. is paulo long. (non 2plo) calcar ...

Sep. infer. ... 2 ... subacuat. super. ... seducta 1''' lat. Racem 1-1½'' long. bract. - 3nerviae. Sep. later. ½ ovari... ... calcar ... 2plo longius ...

... Kaisne.

Masdevallia leontoglossa Rchf.

Folio rigido crasso spatulato obl-ligulato apice minutissime emarginato; pedunculo 1-floro breviusculo, cupula brevi; mento abrupto; sep. ~~dorsali~~ impari libero caudiformi, sep. lateralib. apice fissi brevissime caudat. pet. spathulat. medio appendiculat. lab. oblong. papuloso, signo gyrifero elevato utrinq. in basi; androclinii limbo integerrimo.

Mr. R. places M. leontoglossa, gargantua, angulifera, velifera, & the doubtful Veitchian plant in one group. Light yellow partly lemon partly more ochre. The white petals have 2 purpl ~~stripes~~ streaks

404. Gard. Chron. 1881. I. 656.

Maxillaria fractiflexa. Rchb. f. Otiap. 8.

Vaginis juvenis (!) caulis (pseudobulbis) triangulis acut. distict. ad 48 cm long. 5,5 cm lat. Fol. petiolat. obl. ligulat. acut. 48 cm long 5,5 cm lat. pedunculis gracilib. elat. vaginis acut. acuminat. (36 cm alt.) bractea ligulata acuta; ovario pedicellato sublongiore, mento obtusangulo subacuto, sep. triangul. linearib. acumin. (siccis 11 mm long.) lateralib. fractiflexis; tep. subaequalib. breviorib. lect. labello obl. apice trifido, laciniis lateralib. obtusangul. lacinia mediana triangula obtusa, callo lineari-ligulato antice abrupto obtuso a basi in discum ultra medium, basi sulcato; columna crassa elevata.

Stands near M. venusta, albata & grandiflora.

Gard. Chron. 1881. I. 720.

Oncidium praetextum. Rf.

Labelli auriculis angulat. angust. isthmo lato, portione antica reniformi lobulata, carinis in ima basi pronis geminis, carina erecta ancipite obtusa interjecta alte procurrente, callo oblongo parvo utrinq., antice callis ligulatis clavatis plurib. circumfertis; columnae alis semiovat. tabula infrastigmatica obtusangula magna.

Gard. Chron. 1881. I. p. 782.

Oncidium grandiflorum Rf.

Aff. O. aemulo Rf. Sep. tep. q. ejusdem sed flavo marginat. tep. majus acutis (!) labelli lacinia. posticis triangul. introrsum rotundat. lacinia antica spathulata acuta callo in basi rhombeo plano ...

carinato antice obtusato multilobuloso; columnae aliis arientdentibus lineari-curvat. tridentatis.
M. St. Columbia introd. Bull.
The sep. are more acute (as in Oni. aemulo) & both the ~~sep~~ pet & the odd sep. are more crisp & embellished by a yellow ~~bor~~ border; the lip has a spatulate middle lacinia & a totally distinct flat callus, totally wanting the keel of the middle line.

Gard. Chron. 1881. I p. 782.
Eria (Hymeneria) ignea Rf.
Pseudobulbo ovoideo parvo, fol. lin. ligulat. acut. racemo pauciflora porrecto; bract. cuneato-obl. ~~acut~~ obtus. deflex. ovaria pedicellata longitudine non aequant. sep. triangulo-ligulat. acut. tep. subaequalib. labello cuneato oblongo

trifido, laciniis lateralib. ligulat. lacinia mediana ligulata porrecta, carina longi~~rscula~~ tudinali a basi in apicem laciniae medianae carina ~~longitudi-nali~~ longiuscula utrinq. in lacinia laterali, carina breviore utrinq. in lacinia mediana. Pedunc. & ovaria pedicellata intense flava. Sep. & pet. cinnabarina.

In the way of E. Lilleyni Kranz. but with very small bulbs & narrow leaves. The peduncle as well as the flaked ovary are light chrome-yellow. The bracts to the sep. & pet. are nearly vermillion. Import. from Borneo by Mr. Veitch.

Gard. Chron. 1881. I. 814.

Bolbophyll. Bowringianum Rf.

Khasyana.

Pseudobulb. minutissim. subglobos. monophyll. Fol. cuneato-obl. ligulat.

oblonge acut. Ped. elongato, racemo elongato cylindraceo densissimo porrecto vagina acuta suppositta; bract. ligulato-rhombeis abbreviat. sep. impari triangulo parvo apice recurvo, sep. lateralib. multo majorib. semiovat. connat. apice paulo firmis apicib. triangul. obtus., superficie velutinis, sep. oval. acut. labello carnoso oblongo breviacuto, basi bigibberoso, columnae angulis antice validis intus angulo altero sub acumine. — Assam. Intr. Bowring Windsor-Forest.

Leaves fleshy dark green 28 cm l. 4 cm wide at their broadest place. Bracts yellowish Sep. ochre-white spotted & streaked with light & not very clear purple Pet white green at the lips with a

dark red spot at the base.
Lip yellowish green with many small sepia brown spots.
Belongs to the group of B. Khasyanum Griffith.

Gard. Chron. 1880, II p. 69.
Oncidium diodon. Rf.
Pseudobulb. habitu O. macranthi Ldl. Fol. cuneato- ligulat. acut. ultra pedalib. panicula magna brachyclada ramis flexuos. confertissim., bract. minut. ovar. pedicellat. sepala bis superantib. sep. teps. q. cuneato-elliptic: obtusiuscul. sep. parib. dorso carinat. lab. subquadrato antice emarginato 2lobo retusiusculo, basi utring. angulato, columnae trigonae alis bucois obtusangul. extrorsis, dente rostellari denti intramarginali foveae opposito
[illegible]

410. Onc. macranth. hat aber zickzackförmig Rispen mit kleinen Zweigen. Die Blt erinnern an Onc. cocciferum & Od. longifol. Farbe braun wie Kartoffelschalen mit gelbem Callus auf der nahezu quadrat. Lippe.

Gard. Chron. 1880, II. 70.

<u>Bulbophyll. alopecurum. Rf.</u>

Aff. B. tristi. Pseudobulbo sphaerico demum multoties impresso favoso e cicatricib. diphyllo; pedunculo subspithameo gracili rigido, vaginis arct. distantib. 5; racemo nutante densifloro, bract. triangul. minut. sep. impari triangulo obtuso, sep. lateralib. cymbiformib. apice bidentat. tep. triangul. subcurvis a sep. non tectis (!) labello unguiculato, sagittato triangulo per dorsum bi-

carinato, col. tridentata. Flor atropurp. except. labello fusco & columna ocroleuca. Pedunculi pallide viridis. Vaginae atrofuscae.
Ex Burmah imp. Low.
Der engl. Text ist nur eine Paraphrase d. Diagnose.

Gard. Chron. 1880, II, 182.

Habenaria radiata. Mig.

~~A Sepals & Pet. pale ochre~~

A typical Habenaria boasting the stigmatic shanks. The 3 triangular acute sep. are light green as is the exterior part of the spur. All other organs excepting the very light whitish green rostellum are pure white. The middle partition of the lips is very narrow triangular, the side partitions are broad obtriangular with a nicely fimbriated margin, that gives a most elegant effect

412. Gard. Chron. 1880. II. 166.

Dendrobium cinnabarinum Rf.

Eudendrobium. Caule in ima basi tenui tereti dein in pseudobulbum incrassatum multicostatum expanso, superne iterum tenui, terete, multiarticulato, foliis ... Flor. solitar. (raro gemin. seu tern.) ovario pedicellato mentum conico-obtusum aequante; Sep. ligulat. obtus. sep. spathulat. obtuse acut. lab. 3-fido, lacin. lateralib. triangul. apice uncinat. lacinia antica obl.-ligulata crispula, carinis 3 in medio in confinio laciniarum lateralium & laciniae anticae, loco elevato; col. apice 3dentata dente mediano triangulo ~~latiori~~ breviori, dentib. lateralib. longiorib. cum denticulo parvulo utrinq. Sep. cinnabarina. Pet. purp. basi

ochracea. Lab. basi alb. lacinia antica ochracea intus ante apicem area purpurea inferne antice omnino purpurea. Striae 3–5 purp. s. purp.-violaceae inter lacinias laterales. Col. alba. – Ex Borneo imp. Veitch.

Habitus of D. crumenatum Sw. Die Blüten erinnern an Zygaenen welche auf gelblichen Zweigen von Bambusgebüsch sitzen.

Gard. Chron. 1880. II. ~~230~~. 231.

Aerides pachyphyllum. Rchb. f.

Fol. carnosiss. brevib. apice obtuse et inaequaliter bilob. racemo brevi paucifloro, sep. pet. q. subbrevioribus obl.-ligulat. obtuse acut. labelli laciniis lateralib. subtriangul. brevib. lacinia mediana triangula minuta, calcari cylindr. obtuso inflato ovarium pedicellatum excedente.

#14. Much in the way of Aerid. Thibautian. & with nearly as large sep. & pet. light crimson-lake. Spur & Column white. ~~Blumenblatt Lippe innen~~ Small laciniae of the blade of the lip on anterior part of spur graiated with more or less warm purple; these laciniae are just as insignificant as the spur is preponderant.

Gard. Chron. 1880. II. 295.

Masdevallia Dayana Rf.

Maxima omnium, caule vaginis compress. apice triangul. lat. Folio cuneat. abrupte elliptico apiculat. maqu. Floris ovario angulis crispul. alato, deflexo. Perigonio obl.-triangulo apiculato apice uncinat. Sep. superiore carinis membranat. elevat. 7. fenestra elongata humili; sep.

subquadrat. antice acut. infima basi inferiore obtusangul. labello basi subcordato trilobo; lob. lateralib. brevissime angulat; lob. medio producto ligulato acuto marginib. denticulat. carinis longitudinalib. 2; callo conico basi ante unguem; columnae androclinio minute denticulato.

Upper sep. yellowish white with 7 low longitud. keels covered with numerous Indian-purple spots. the inferior connate sep. are orange, with some Indian purple brown spots & borders towards apex.

New Granada. Collect. by Wallis.

Gard. Chron. 1880. II. 296.

Coelogyne peltastes. Rf.

Aff. C. panduratae Ldl. & Mayerianae Rf. Rhizomate valido scandente pseudobulbis obl. ancipite foliaceo supra rhizoma sculi intter ...

416. diphyllo; foliis cuneato-oblong. ligulat. acut. 2.; racemo plurifloro bract. spathac. ligulat. acut. ovaria pedicellata subaequantib. sep. lineari-ligulat. extus supra nervum medium. carinat. tep. cuneato-ligulat. acut. labello trifido, lacin. laterib. semioblong. antrorsum acut. lacinia mediana oblonga apice retusa emarginata cum apiculo, laterib. crenat. crisp. carinis 3 humilib. a basi in basin laciniae anticae papulis nonnullis subserialis in disco laciniae anticae, col. clavata.

Ex Borneo introd. cl. Veitch. Flowers of the finest emerald-green smaller than those of C. pandurata equal to those of C. Meyeriana

Gard. Chron. 1880. II. 296.

Renanthera Storiei. Rf.

Aff. R. coccineae Lour. florib. 1/6
breviorib. sep. lateral. unguiculat.
oblong. undulat. lat. sep. connecto-
ligulat. obtus. lat. labelli
majoris laciniis lateralib. limbo
externo triangul. lacinia mediana
ligulata obtuse acuta porrecta
lamellis 2 quadrat. ante ostium
calcaris connivis. — Philippinen.

Blüten 1/6 ~~länger~~ grösser als bei R.
coccin. aber Sep. & Pet. breiter gebaut
ebenso d. Lippe. Very floriferous &
appears to bear flowers of brightest
yellow & vermillion. Lip darker.

Bot. Mag. (1897) 7537.

Gard. Chron. 1880. II. 296.

Oncidium praestans. Rf.

Hybrid (?) Omnia O. dasystyles
exceptis sep. lat. alte fossis, sep.
multo latiorib. valde undulat, lab...

418. auricul. basilarib. parv. quadrat. retus. isthmo bene evoluto, elongato; call. majorib. retus. extrorsis in isthmo bigeminis 12 minorib. biseriat. intus, 2 inter utramq. seriem medianis.

Col. Veitch qui inter specimina Oncid. dasystylis speciem recep.

Die Calli erinnern mehr an die von O. Gardneri. It lacks also that nice blackish border of the basilar part of the lip very often so remarkable in dasystyle.

Jst. wie Rchb. sich nach Empfang einer ganzen Blt. ländern überzeugte neu & kein Bastard.

Gard. Chron. 1880. II 326.

<u>Calanthe Petri. Rf.</u>

Omnia C. veratrifoliae R. Br. sed folia paulo angustiora & calli in ~~isthmo~~ labelli basi tumidi

transverse multi sulcati sul.
phurci. Polyneria
Without the single lamella of late
which are proper to the C-veratrif.

Botanic Register 1842. Misc. p. 64.
Octomeria grandiflora. Lindl.
Folio longo lanceolato arcuato, vaginis caulis arcte appressis, labelli trilobi unguiculati lacin. lateralib. brevib. subfaliat. acut. intermedia obovato-cuneata denticulata fissa; lamellis 2 carnosis.
Leaf 8" long the stem is about the same length. The flowers are about 4 x as large as those of O. Baueri & of the same pale yellow colour. M. Loddiges imp. from Brazil.
Botanic Register 1842. Misc. p 55.
Dendrobium Scopa Lindl.
Caule erecto clavato compresso ramoso; ramis monophyll. folio

420. obl. concavo undulato obtus. florib. in fasciculis axillarib. squamat. disposit. petiolat.; sep. pet. q. lin-lanceolat. labelli trilobi trilamellati laciniis lat. bini serratis intermedia elongata triangulari basi serrata apice in filis intricatis dissoluta.

Imp. from Manilla by Mr. Loddiges. Stems erect about 1' high, stiff & strong. Leaves from 5-6" long & 2½" broad. Flowers small whitish in axillary fasciculi. Their lip is very curious being broken up at the point into a kind of broom, consisting of long contangled curling threads.

Bot. Reg. 1842. Misc. p. 61.

Polystachya clavata Lindl.

Fol. lin-obl. obtus. recurvis canaliculat. panicula brevi

stricta spicata ramis clavat. labelli carnosi lobo medio emarginato crenato lateralib. brevib. acut. disco farinoso basi convexo.

Belize imp. Loddiges.

Flowers pale yellow & small. The branches of the short panicle are fleshy, club-shaped & studded with sessile flowers.

Bot. Reg. 1842 Misc. p. 62.

Notylia pubescens Lindl.

Fol. obl. subundulat. subconiac. racemo folio longiore pendulo lab. rhomboideo basi carinato & columna pubescentib. sep. lateralib. basi tantum connatis.

A Brazilian sp with dull orange coloured rather sweet-scented flowers. It is readily known by its downy lip & column

Imp. by Mr. Loddiges

422. Bot. Reg. 1842. Misc. 63.

Vanilla Palmarum Lindl

Fol. ovat. subcordat. brevi-petiolat. reticulatis. flor. 2 sep. pet. q. angustior obl. erect. canaliculat. lab. membranaceo obovato emarginato plano basi 3x elevata pubescente, col. clavata facie barbata, ovario calyculato.

Bahia - Salzmann. Surinam Hostmann. Flowered 1st time in Europe by Messrs Loddiges. The blossoms are pale green of a delicate texture & about 2" long. The lip is hairy at the base has an elevated broad line in the middle & 1 on each side where it touches the column. At the summit of the ovary is a narrow calycle obscurely 3-lobed & of a fleshy texture. One of the few Orchid-pl. which inhabit Palm Trees.

Bot. Reg. 1842. Misc. 4.

Oncidium Suttoni (Lindl.) Batem. mss.

Pseudobulb. ovat. compress. sulcat. diphyll. fol. lin. graminei. saepe scapo aequalib. scapo simplici v. ab ipsa basi paniculato angusto, ramulis 3-5-floris; sep. pet. q. lin-lanceol. planis, lab. oblongo basi auriculato angustiore tuberculo cristae 7-9-dentato, columnae alis triangularib.

Descr. Skinner. Sep & pet. dull olive brown without any spots except at the point where they are yellow, while the lip has also but 1 dull olive brown spot occupying the centre of the base. The triangular form of the wings of the column will readily distinguish it from O. pergameneum, which has also the lip broadest not narrowest at the base & entirely different

... flower

Bot. Reg. 1842. Misc. p. 9.

Dendrob. junceum Lindl.

Caulib. fusiformib. erect. apice ramosis, fol. teretib. acut. pungentib. pedunc. terminalib. 2flor. sep. obtus. labelli trilobi lobo medio rotundato emarginato subundulato disco scabro.

Imp. from Singapore by Messrs Loddiges. It has rather large green flowers with faint purple veins on the side lobes of the labellum. The stems are fusiform, erect & branched above the swelling, many of the ramifications being terminated by a pair of flowers.

Bot. Regist. 1842. Misc. p. 20.

Spiranthes cerina Lindl.

(Sarcoglottis)

Fusco. olivacea, hirsuta, fol.

hysteranthiis .... squamis caulis distantib. lanceol. circa scapum subspiralib. spica laxa 7-8-flora, bract. lanceolat. acuminat. inconsp. ovario hirsuto longiorib. sep. glaberrim. supremo ac duos lateralib. oblus. apice concav. labello basi ima glabro sagittato supra basin intus villoso apice obovato obtuso concavo nitido subcrenato.

Guatemala sent by Mr. Hartweg. Stem about 1½' h. covered with white hairs & clothed by rather distant scales ~~with~~ which are long narrow-lanceolate & perfectly smooth. Although the other parts are hairy the sep. & pet. which are more than 1" long are perfectly smooth & shining as if varnished both inside & outside. Externally they are of the same dull olive-brown as the stem

426. but inside they are of a clear bright greenish-yellow, the lip being beautifully streaked with bright green veins... The lip adheres to the column with so much force that it is difficult to detach it.
Chr.

Gard. Chron. 1880. II 390.

Masdevallia swertiaefolia Rf.
Aff. M. gibbosae Rf. Fol. longe-petiol. cuneato-oblongis acut. mollib. pedunculo subaequi longo s. breviore. tenui, firmo, racemo filiformi 1-s. plurifloro. Sep. impari prope libero lanceolato crasso caudato, sep. lateralib alte coalitis oblongo triangul. caudat. arcuat. caudis recurv: superficie interna aspris carinis 2 (per discum apice callosis) Sep. dolabriformib. irregulariter 5-angulis; lab. obl-ligulato basi

sagittato antice serrulato; medio
string. lobato subquadrato exserto
minuto; call. 2 in disco; col. arenata
string. pone foveam subquadrato
alato. New Granada.

A very curious pl. with long-stalked
cuneate-obl. acute soft shining
leaves (Sweertia perennis-like)
Von Lehmann gesammelt blühte
zuerst bei Kienast-Zölly.

Gard. Chron. 1880, II 390.

Goodyera macrophylla Lowe.
Plant 12-18" high with 6-7 lanc:
elliptic leaves, 5-7" long, 2-2½"
broad acute at the apex, narrowed
into a petiole at the base gla-
brous. Scape green with several
sheathing membranous, acuminate
whitish green bracts. flowering
bracts smaller, the scape & bracts
ovaries & outside of the flowers are

428. all clothed with short more or less glandular hairs. Ovaries green, turgid. flowers 4''' white.
Madeira abgebild. Primitiae Florae & Faunae Madeirae von Lowe p. 13 tab 1. Wird beim Trocknen braun.

Gard. Chron 1880, II p. 390.
Epidendrum Moreni Rchb. f.
(Schistochila carinata)
Tri-quinquepedale; fol. approximat. oblongo-triangul. acut. margine minutissime crenulat. racemo densifloro, sep. cuneato-ovat. acut. sepp. cuneato-elliptic. acut. denticulat.; labelli laciniis lateral. lob. ovat. denticulat. lacinia media cuneata retusa antice denticulata, callis 2 in basi, carina interposita in mediam laciniam anticam effluente.
Habitus von E. ellipticum

oder mit spitzen zahlreichen nahe zs. gedrängten Bl. Scheint sehr hübsch zu blühen.

Gard. Chron. 1880. II. 524.

Epidendrum chlorops Rf.

Aff. E. gladiato Ldl. Fol. distich. plurib. lanceol-acut. racemo sub vaginis acutis paucis plurifloro, cernuo; sep. ligulat. obtus. tep. multo angustiorib., labelli 3fidi lacin. lateralib. ovat. transversis, lacinia mediana lineari apice obtuse 2loba callis angulat 2 in ~~disco~~ basi, lineis incrassat 3 parallel. per discum, linea mediana longiore; col. apice triloba, lobo mediano subcucullato lobis lateralib. semiovat. semirim angulatis. Flores virides.

Mexico.

Rbw. nennt in den Noten zu dies...

438. Erst dass E. auratum la Llave nicht identisch sei mit der von Ldl. Folia dafür gehaltenen sondern er (Rf.) nenne diese Lindl. auratum Ep. Jürgensenii Rbch.f. da la Llaves Pfl. eine ganz verschiedene Pfl. sei Ep. gladiatum ist grösser. Ebenfalls in diese Gruppe gehört E. vandifolium Ldl. eine sehr seltene Pfl. cf. p. 293.

Gard. Chron. 1880, II. 588.

<u>Bulbophyllum Berenicis Rf.</u>

Aff. B. caudato Ldl. fol. angustiorib. capitulo denso; bract. lanceis uninerviis, sep. impari triangulo acuto trinervi. sep. lateralib. multoties longiorib. caudat. porrect. pet. ligulat. obtus. 1-nerv. lab. basi cordato transverse utring. medio implicato subtrilobo, callis 2 rotundis uno ante alterum in disco.

columnae aristis brevibus.

A delightful microscopic wonder with a creeping rhizome bearing distant nearly pear-shaped small bulbs, ligulate cuneate leaves & short peduncles bearing miniature inflorescences like those of Cirrh. Medusae. Patria?

Gard. Chron. 1880. II, p 588.

Epidendrum amabile Lind & Rchb. f.

cf. Bonplandia III. 219.

Pseudobulb. ovoideis digonis vulgo diphyll. cum foliis lanceolis acut. brevioribus glauc.; panicula s. racemo glauco pruinato distantifloro; sep. tep. q. angustiorib. lin.-ligulat. acut. sep. nunc ante apicem latiorib. labelli trifidi laciu. lateralib. divaricat. ligulat. obtuseto-retus.; lacinia media cuneato-dilatata retusa; callo depresso prope obsoleto in basi in lineolas 3 excurrente ante basin laciniae mediae. — Mexico leg. Ghiesbreght

The nearly cruciform lip is golden yellow & has some mauve purple spots. Sep. & pet. are glaucoseminate outside brown inside. Ghiesbrecht sagt: „les bulbes sont petits & aplatis." Das ist Unsinn denn, wie Rf. später nach frischem Material feststellte. The bulbs are oblong, rounded & have 2 blunt ridges & and edges. ancipitous taubeneigross. Die Bl. 10cm lang & 2 cm breit. very glaucous wie auch die Bulben. Wächst an zerklüfteten Eichen in der wärmeren Region.

Gard. Chron. 1880. II. p. 620.

<u>Oncidium ~~[illegible]~~ melanops Rf.</u>

Aff. O. pyramidali Ldl. Pseudobulb. ligulat. ancipitib. apice attenuat. mono ~~[illegible]~~ (semper?) phyllis folio cuneato-ligulato acuto paniculae [magnae] ramis ~~[illegible]~~ fracti-flex. sep. ligulat. obtus. pet. paulo latiorib.; lab. pandurato basi multo

latiore auricul. reuiovat. obtus.
retrors. isthmo antrorsum angustiore
lacinia mediana antica biloba
call. triseriat. obtus. papulaeformib.
2 in basi, 5 in medio, 3 antice; colum
nae gracilis curvae buccis magnis,
rostello ornithorrhyncho, alis dolabri-
formib. lobulat. crenulat. Flores intense
atropurpurei except. apicib. sepalor.
sepalor. labelli ejusdemq. auricul. retrors.
Ecuador - Hoüda detexit.
Die nicht dunkelpurp. Teile der Bl. d. h. die
~~Bla~~ Spitzen sind vermutlich hellgelb.

Gard. Chron. 1880. II. 620.
Oncidium chrysornis. Rf.
Aff. O. pyramidali Lindl. Pseudobulb.
ligulat. ancipitib. apice attenuat. 1-
2. diphyllis, fol. cuneato-ligulat. acut.
paniculae magnae ramis densis
flexuosis fractiflex. sep. ligulat. acut. tep.
latiorib. lab. pandurato auriculis
basilarib.

magnis obtus. retrorsis paulisper latiorib. parte antica; call. triseriat. basilarib. obscurissim. medianis 2 seu 5, externis constantib. 2dentat. anticis 3, callo mediano antico forcipato bidentato; col. cava gracili buccis magnis rostello ornithorhyncho alis dolabriformib. denticulat. mox lobatis. Flores xanthini maculis pauc. cinnamomeis.

Ecuador. Ed. Klaboch, Houda.

O. Krysi. Has flowers nearly equalling those of O. pyramidale of the finest yellow colour with 4 or 5 cinnamon blotches 1 on each side of the lip, 1 constant on each petal & sometimes 1 on base of each sep. The system of calli is adorned by a curious bifid callus in the middle of the anterior series. The wings of the curved column are hatchet-shaped, sometimes bilobed, toothed outside.

Gard. Chron. 1880. II. 620.

Bulbophyllum inops. Rf.

Aff. B. recurvo Ldl. Pseudobulb. ovoid. nunc trigon. nunc rotundat. monophyll. folio cuneato oblongo acuto, discolore. pedunculo tenui deflexo medio univaginato, apice paucifloro; bract. ovaria pedicellata aequantib. mento angulato bene evoluto; sep. impari lanceo, sep. lateralib. triangul. sep. ligulat. acut. uninerviis bene brevioib. labello a basi rotundata triangulo ante medium obscure utrinq. angulatis, lineis carinat. a basi in unam carinam medianam confluentib., aristis columnae bene evolutis.

The leaves are red underneath green on the upper side. The bristles of the column are unusually well developed. There is nothing like this either in the Lindleyan or in my own collection. — Patria?

 Gard. Chron. 1880. II, 685.

Eria Curtisii. Rf.

Aff. E. myristiciformi & E. scabrilingui Ldl. Lab. triangulo retuso antrorsum trifido. lacin. lateralib. obl. lacinia mediana brevissima emarginata, tubercul. parvo onusta, carinis 3 a basi in basin laciniae anticae, omnib. basi hirsutis. lateralib. rect. carina mediana longiore flexuosa. – Ex Borneo ubi leg. dom. Curtis. Hort. Veitch.

Bulben länger als bei E. myristicif. beinahe fusiform, yellowish withe flowers ähnlich denen von E. Iberalis (sic!?) & similar spec. The bracts are long unusually developped in the way of E. bractescens Ldl. There is an angular orange blotch at the base of the column & the rhachis & the ovary are covered with stiff blackish hairs. The bulbs are covered with wrinkles neatly as in an Eriopsis.

Gard. Chron. 1880. II. p. 685.

Lueddemannia Lehmanni. Rf.

Aff. L. Pescatorei. Racemo pendulo, lab. in basi angusto dein dilatato antice trifido, laciniis triangul. gibbere conico obtuso in basi, gibbere in disco trilobo disco anteriore velutino, columna gracili juxta foveam utrinq. quadrato dilato. — New Grenada. F. C. Lehm.

The bulbs reach the length of 7" & a circumference of nearly 3". They are elongate, pear-shaped & furrowed. The leaves are long, petioled, cuneate oblong cute very strong. The long peduncle bears very numerous flowers, comparable in extent to those of Lacaena bicolor & spectabilis. They have salmon-coloured sep. & orange pet. & lip.

Gard. Chron. 1880. II, 748.

Dendrochilum Cobbianum. Rf.

Pseudobulbo et folio D. latifolii. Racemo flexuoso; Bract. naviculari-lanceis ovaria pedicellata bene aequantib. sep. sep.q. obl.-triangulis; lab. cuneato flabellato antice retusiusculo bilobulo cum apiculo interjecto, callis 2 depressis abrupt. semioblong. contiguis in basi. col. apice ~~in~~ alis semilanceis, cucullo emarginato elongato.

Ins. Philippinens. det. Boxall.

Flowers light sulphur coloured & a orange colour. flabellate lip with very small bristle a green col. with the borders of the fovea white.

Will it always produce zigzag inflorescence? I believe so.

Introduced by Stuart Low.

Gard. Chron. 1880. II. 748.

Dendrobium bostrychodes Rf.

(Nigro-hirsuta.)

Aff. D. xanthophlebio Ldl. (marginato
Bat. B. Mag. tab. 5454.)
Flore majore, pseudocalcari ovario pe-
dicellato elongato paulo breviore; sep.
triangul. apicem versus extus carinat.
sep. cuneato-oblong. undulato-crispis
lab. pandurato lacin. lateralib. semi-
oblongis plan. lateralib. multitu-
berculato-asperis, lacinia antica
transverse oblonga multicrispula &
undulata; carinis 3 elevat. carnos.
a basi in discum laciniae anticae
ramulis lateralib. nervorum a
tuberculis minutis (rubris) asperis.
Borneo s. adjac. insul. Boxall
det. Low import.
Flowers white with numerous red warts
on the lip & red blotches on the base of the
column. The spur länger als 1 Zoll, 2/3 der
Grösse von D. formosum.

440. Gard. Chron. 1880. II. 778.

Masdevallia Eduardii Rf.

Rhizomate repente; fol. distantib. petiolis laminas ellipticas acutas aequantib. pedunculis elat. distanter articulatim vaginat. apice bifloris s. trifloris; bract. ochreat. acut. ovaria muriculata pedicellata non aequantib. perigonio toto connato; sep. impari libero triangulo margine minute serrulato; sep. coadnato apice bifido. laciniis apice brevissime crassiusq. caudat. sub caudis abrupt.; sep. a latiore basi attenuat. columnam superantib. lab. flabellato apice obtuse retuso cum apiculo dent dente erecto carnoso in basi; androclinio marginato. Probabil. in Colombia detexit F. Klaboch.

Not a great thing but a most elegant gem. A creeping rhizome produces at intervals of 1 inch the distant

leaves, the blades of which are scarcely more than 1/2" long by 2/3 wide. The peduncles are nearly a span high & bear 2 or 3 flowers which are apparently red. Sent by Mr Klaboch (Eduard). Among all the known Masd. there are some affinities with the elegant M. amethystina; this is however decidedly caespitose.

Gard. Chron. 1880. II, 778.

Masdevallia Roezlii Rf.

Recedit a M. Chimaera Rf & Wallisii Rf. limbo sepalor. laevi superficie interna hinc marginib. asperul. pilis paucissim. supra angulos sepalor. labelli calice elongato limb. extern. integris.

Folium a petioli parte lata dilatat. obl.- ligulat. obtuse acutum. Pedunc. flore 1 evoluto una vice usque ad triflorus visus. Bract. cucullata acuta pedicellum

vix aequans. Perigon. externum alte apertum. Sep. basi connata, ceterum libera oblonga in caudas elongatas integerrimas filiformi-lineares attenuata calva superficie interna circa margine dense aspero verrucosa, pilis paucissimis brevissimis. Tep. brevius ligulata altura apice bivalvia et callo interjecto papulosa utring. adnato tetrapter si mavis. Lab. brevissime unguiculat. basi angustat. marginib. subintegrum, costis primariis 3 elevat. Col. apice attenuata. Perigon. obscure atro violaceo-purpureum, obscurius quasi tessellat. Tep. et lab. violacea.
Xenia Orch. II tab. 186. Linnaea T. 41. p. 9
New Granada. Roezl. Wallis. Boxall.

Gard. Chron. 1880. II. 776.

Bulbophyllum iners. Rf.

Aff. B. radiato ~~oligi~~ oligoglosso, psychodi. Pseudobulb. pyriformib. fol. cuneato-ligulat. acutiusculis. sup. superne viridul. inferne purpur. pedunculo gracilento apice nutante subumbellifero corymboso, bract. linearib. acut. ovaria pedicellata subaequantib. sep. trinervi. lateralib. ligulat. attenuat. acut. extens. quam sep. impar triangulum longiorib. sep. triangul. trinerv. bene brevioribus lab. cordato triangulo, col. apice tridentata.

A gracious little thing having a brownish bulb from 1/2-3/4 of " high, 1-leafed. Leaf cuneate ligulate blunt acute green above purple beneath very thick up to 3" long 3/4 wide. A slender red peduncle bears a nodding umbel

of small white flowers resembling the Cirrhopet. ft stands near radiatum & pogytoon & oligoglossum.
Nemmblitwaur Assam – Bull. Gard. Chron. 1880. XI, 712.
Dendrobium tetraetromum. Rf.
Aff. D. aqueo. Caule te-etinrouls. fol. dejectis florido racemo 1-2 floro mento extinctoriiformi, sep. ligulat. acut. tep. rhomb. obtus. lab. 3lobo, lob. lateralib. semiovat. denticulat. lobo antico oblongo ligulato obtuso undulato, jugo calloso inter lobos laterales. col. apice tridentata.
Inter D. moniliforme Sw. verum (nec D. Linawianum Rf = moniliforme Ldl.) & D. aqueum Ldl. intermedium. Illius caulis tenuis sed mentum extinctoriiforme nec obtusissimum, hujus prope labellum at lobum 5
at

anticum^5^ multo longior, mentum multo magis angustum & flores non excumbibus foliatis. — (NB. der ganze Rbch'sche Text wimmelt von Druckfehlern & ist kaum verständlich.) — Borneo. Veitch.

Flowers white in general. a very acute chin with a longish rather narrow lip. This organ is nailed by citre-yellow before the point & at the base of the median lobe there is a blackish purplish a-sticking blotch; the back of the chin is green: thus giving 4 colours whence the name is taken.

Botan. Register 1842. Misc. p. 37.

Ania bicornis Ldl.

Fol. oblongo lanceol. carnoso scapo breviore, labelli lobo medio emarginato apiculato ecalcarato basi bilamellato lamella altera versus apicem

interjecta anthera bicorni. From Ceylon imp. Clowes. It has something the appearance of Eulophia macrostachya; the flowers are green except the lip which is bright yellow.

Gard. Chron. 1880 I p. 680.
Brassia euodes. Rchf.
Fol. obl.-ligulat. acut. pseudobulbos parvos prope triangulares ancipites antheri omnino involventib. pedunculo folia suprema subaequante racemo 50/pauciflora, bract. spathat. ovaria pedicellata non omnino alquantib. sep. lin. acuminat. tep. subaequalib. minorib. lab. oblongo apice abrupte aristato carinis claveos semioblongis supra medium abrupte angulat. puberul. lineis incrassat. antepositis. tolis carin. cum basi labelli genuflexi

in basin columnae impressis.
Neo-Granata.
Very near Br. glumarea & looks
very like it. All the sep. & peps. ex-
cept the lips brownish red. The
flowers have beautiful smell. Mr
Backhouse imported it from N.
Granada the species which is quite
distinct in the keels of the lips
Ends of sep. & pet. neat yellow
column marbled with purple.
lips yellowish.

Gard. Chron. 1880 I. p. 681.
Masdevallia xanthina Rchf.
Aff. M. Wageneriana. Folio a basi
petiolari cuneato-obl. obtusissimo
acutiusculo; floris sep. omnib. ex-
pans. sep. impari ligulato oblong-
galeat. in caudam longiorem ex-
tenso, sep. paril. paulo angustiori
omnib. sub caudis ....

Pet. antice carinat. bari angulat. labelli ungue ante laminam utrinq. constricto, lamina cuneato-oblonga retusa medio apiculata trinervi; col. apice tridentata Subduplo major quam M. Wagneriana.
Flowers bright yellow & some dark violet at the very base of even sepals. Small pet. whitish. Lip yellowish with a dark knob at the apex.

Gard. Chron. 1880. I. 680.
Cypripedium Petri Rf.
Aff C. Dayano. Labelli sacco magis conico, sep. brevioribus. sep. impari triangulo acuto, sepalo inferiore ligulato acuto triangulo, lab. subduplo breviore; sep. brevioribus. rect. seu acuminat. staminodio subrotombeo.
The whole flower is smaller & shorter

Sp. white with green veins, very distinct in outline. Pet. light brownish green at the base. Lips greenish-brown with dark sepia-brown.

Entdeckt von Pet. Veitch & Burbidge im Malayischen Archipell.

Gard. Chron. 1880. I. 648.

<u>Epidendrum bractiatum Rchb. f. Gal.</u>

Pseudobulb. ellipticis obtuse ancipitib. monophyll. pruinat. folio cuneato-ligulato obtuse acuto spithameo pruinato; racemo elongat. multifl. bract. triangul. minutissim. flore valde coriaceo sep. ligulat. apiculat. sep. angustiorib. labello a medio columna libero trifido, lacin. lateralib. divaricat. erect. linearib. retur. lacinia mediana rhombea, callo ligulato acuto antice minus bidentato per unguem labelli in basin laciniae anticae; col. apice zquin

450. trifida, lacin. omnib. triangul. anthera depressa didyma clina-breviore. Sep. & pet. intus flavo-cinnamomeo maculata extus albo-sulphurea. Lab. albo-sulphur. punctis quibusdam cinnamomeis

Bot. Reg. 1838, Misc. p. 31 n: 48.

Specklinia ciliaris Lindl.

Foliis anguste lanceolato obtuso cauli subaequali, spic. secund. fascicul. foliis 2plo brevioribus. sep. carinat. ciliat. inferiore bifido, pet. elliptic. obtus. apice ciliat. labello obovato obtuso ciliato trinervi, col. apice fasciculatim ciliata.

A small plant resembling a Lepanthes with purplish green leaves & dull green purple-spotted flowers; import. from Mexico by Loddiges. cf. Folia Orch. Pleuroth. p. 14 n. 72.

Bot. Reg. 1838, Misc. p. 36 n: 55.

Ornithocephalus? no — Octomeria gracilis Loddig.

Foliis lineari-carinato apiculato recurvo. florib. pauc. fasciculat. labelli emarginati lob. lateralib. erect. rotundat.

Flowers like O. Baueri but smaller & with a

 different shaped lip & very narrow channelled recurved leaves Rio - Loddiges.

Bot. Reg. 1838, Misc. p. 37 n. 58.
Vanilla bicolor. Lindl.
Fol. ovato-obl. subsessilib. acut. striat. margine subcrenulib. sep. lin.-lanc. acut. patentib. dorso rotundat. pet. conformib. dorso carinat. labello membranaceo semilibero convoluto venis ramentac. medio dense ramentaceo-stuposo, col. barbata; auriculis crenulat.
Schomburgk, Guiana. Flowers full 3" long with dull red sep. & pet. & a cream coloured lip.

Miquel Prolusio fl. jap. 137. 4572

Cymbidium virens. B. Reg. XXIV. misc 59 ~~tab.~~ 1838 —

C. (Maxillaria. Bot Zeitg 1845 p 334) Goeringii Lf. in. Walp. III p. 547. cf. Walp. VI. 626.

Ludit I° folior. longitudine quae vulgo e basib. pseudobulboso rhizomati respersi. ... fasciculato-plura. pedalia & longiora. 1½–3''' lata nervosa, nervis 3 distinctioribus scapum longe superantia, passim vero ... breviora scapi longitudine.

II° Sepalor. forma quae haud linearia ... ... nec ... lanceol. acuminata, vulgo enim sunt lanceol. oblonga ... basi ... apice leviter contracta, passim versus apicem ... sed nunquam vere acumin. in paucis etiam oblongo-elliptica apice latiore rotundata. labell. non 3lob. sed basi utrinque ... dilatat. Variet. β ... statura minor. foliis brevioribus (½ ped) & latioribus tenuioribus longit. ... albido-fasciat. flores idem. (Keiske. Siebold. Bürger. ... ...) ... in seg. mont. ... ... an culta?

Hookers Exotic Flora

Tab. 31. Haben. bidentata = Platanthera
Tab 87 " blephariglottis = Platanth.
Tab 95 " dilatata = Platanth.
Tab 135 " gracilis = Platanth.;
[illegible]
Tab 176 " marginata Gymnadenia rubra,
Tab 145 " orbiculata = Platanth.
Tab 169 " alata Hi. opb.!
Tab 175 " bracteata = Platanthera
Tab 237 " fimbriata = Platanthera

Gard. Chron. 1879, I. 41.

Bulbophyllum Beccarii. Rchf.

Rhizomate radicante validissimo pollicem virilem crasso, deuse fibroso scandente, fol. subsessilib. petiolo tenuibus brevissimo, lamina oblonga obtuse acuta prope bipedali 1½ vel 1 ped. lata; pedunculo basi pluri-vaginato plurimifloro, incurvo (semper?) vaginis obl. acut. bract. ligulat. acut. ovaria longissime pedicellata [illegible] mento obtus angulo; sep. obl. obtus. hini parte undulatis reflex. tep. angustiorib. curvat. lab. cordato oblongo, columnae utrinq. unicarinata, anthera dorso aspersula Borneo.

Gard. Chron. 1879, I. 172.

Masdevallia Parlatoreana Rchf.

(Coccineae Veitchianae)

Pedunculo tenui, tubo perigonii externi breviusculo, sep. impari

brevi

oblongo in caudam bene-
longiorem extenso; sep. lateralib.
multo latiorib. majorib. in caudas
breviusculas extens. interstitio
inter utrumq. sepalum lato; pet.
unguiculat, basi semisagittat. li-
gulat. acut. longitudinaliter obliq.
carinat. lab. ligulato obtuse
acutiusculo utrinq. medium-
erg. obscure lobato, columnae
androclinio acuminato, - Posset
dici quodammodo M. Barlaeana pa-
pillis velutinis, M. Veitchianae
sed paulo diverse [illegible]

Bot. Reg. 1838 Misc. p. 79

<u>Eria pumila Ldl. Orch. p. 68.</u>

Fol. anguste-lanc. acuminat.
caulib. teretib. erect. subaequalib.
spic. capitat. lateralib. subsessilib.
ovario villoso, sep. pet.q. ovat. acut.
basi tantum pilos. labelli trilobi

bari bilamellati pubescentis lob. lateralib. subulat. patentib. intermedio quadrato-bilobo apiculo interjecto.

Bot. Reg. 1838. Misc. p. 56.

Luisia alpina Lindl.

Fol. distich. coriac. canaliculat. oblique bilob. mucrone interjecto, sep. obl. obtus. lateralib. carinat. labello suppositis; pet. paulo angustiorib. lab. obl. concavo inappendiculato, utrinq. versus basin emarginato obsolete bilobo sub apice gibboso.

Sep. & pet. light green, the lip streaked internally with deep purple. Khasiya hills 4000' ab. the sea.

Bot. Reg. 1838, Misc. p. 51.

Microstylis excavata. Lindl.

Florib. corymbosis scapo hexagono, pet. filiformib. reflex. lab. ovato carnoso basi acutissime sagittato

456. medio utring. alte excavato apice tridentato dente intermedio majore. — Mexico
Green flowered resembling M. oph-oglossoides, import. by Mr. Barker,

Bot. Reg. 1838, Misc. p. 72.

Physosiphon carinatus. Lindl.

Folio obl.-angusto obt. aut emarginato racem... ...eriore, cal-
...engalis ca...
... intermedio

Wer früh erwirbt, lernt früh
den hohen Wert
Der holden Güter dieses Lebens
schätzen;
Wer früh genießt, entbehrt in
seinem Leben
Mit Willen nicht, was er einmal
besaß,
Und wer besitzt, der muß
gerüstet sein,
Und wer sich rüsten will, muß
eine Kraft
Im Busen fühlen, die ihm nie
versagt.
Goethe.

... differing in
... ll. whose
... at the point
...
... Zozocola,
... 35.

Oc... ...a Lindl.

Folio ovali-lanceolato crassius- acuto. flori. fasciculat. lab. oblongo

medio utrinq. alte excavato apice tridentato dense intermedio majore. — Mexico
Green flowered resembling M. ophioglossoides, import. by Mr. Barker.

Bot. Reg. 1838, Misc. p. 72.
Physosiphon carinatus. Lindl.
Folio obl. angusto obt. aut emarginato racem. 2 breviore, calycis tubo triquetro angulis carinatis, labelli lobo intermedio serrato scabro.
Resembl. P. Loddigesii. differing in having a serrated labell. whose surface is broken up at the point into little sharp teeth.
Mexico ~~by~~ Mr. Barker — near Jojocola.
Bot. Reg. 1839. Misc. p. 35.
Octomeria tridentata Lindl.
Folio ovali-lanceolato crassissimo acuto. florib. fasciculat. lab. oblongo

bari angustato apice tridentato auricula utrinq. rotundata inflexa, lamellis obsoletis.
A Demerara pl. of no beauty the fl. are bright yellow; the leaves are remarkably thick & hard.

Bot. Reg. 1839. Misc. p. 91.
Pleurothallis ~~Octomeria~~ diaphana. Lindl.
Folio ovato convexo acuto, squam. ~~[illegible]~~ caulis equitantib. superiorib. majorib. florib. solitariis, sep. pet. q. ovat. acutissim. diaphanis, lab. tridentato margine subcrispo lineis 2 elevatis.
A small but pretty pl. of this genus ~~group~~ with white transparent vesicular flowers. Readily known by the form of the leaves & the large equitant sheaths that invest the upper part of the stem. Imp. from Brazil by Messrs Loddiges.

458. Gard. Chron. 1880 I p. 586.

Mesospinidium incantans Rchb.

Pseudobulb. minut. elliptic. compress. fol. cuneato-oblongo-ligulat. acut. alb. densissime viridinervis, panicula expansa mento bene evoluto, sep. impari fornicato obl. ligulato acuto, sep. paribus alte connat. apice bidentat. sep. ligulat. falcat. acut. lab. oblongo-panduriformi acuto apice reflexo, callo in disco basilari pandurae formi limbo elato pilis inter transversis; col. utring. medio angulato.

Ab affini M. Warscewiczii cum fol. tum lab. satis superq. distinct. Sep. & pet. ochre coloured with brown blotches. Lip white with ~~an~~ ochre-coloured callus & many small dotts. Col. white with some mauve spots.

Gard. Chron. 1880 I. p. 394.

Maxillaria arachnites Rf.

Aff. M. pertusae Ldl. Pseudobulb. obl. obscure ancipitib. monophyll. folio a basi petiolari angustissima cuneato-ligulato acuminato; pedunculo breviore paucivaginato, ovario vulgo ex bractea aristinscula exserto; sep. triangulo acuminatis 3 cm long 8 mm lat. sep. paulo brevioribus subfalcat. omnib. curvat. tortisve; lab. obl. antice trilobo lacin. lateralib. obtusangul. antice crenulat. lobo mediano porrecto undulato crenulato acutiusculo, carnosissimo, callo ligulato a basi ad medium ibi abrupte acuto, utraq. labelli superficie pilis sparsis articulat. crystallin. fragilib. circumspers. s. aggregatis. New Granada.

Lips ochre with a purple border & many

short streaks & lines. fragile pellucid hairs consisting of almost globular cells stand on both sides of the lip & several in front of the triangular callus at the lip's disc.

Gard. Chron. 1880 I. p. 394
Liparis Formosana Rchf.
Pseudobulbo cylindraceo. basi incrassato fol. 4. obl. acut. toto margine crispul. pedunculo pluriangulato superne racemoso, bract. ligulat. acut. ovaria pedicellata non aequantib. sep. impari ligulato obtuso acuto, sep. lateralib. subaequalib. curvat. Lab. cuneato obl.-elliptico acuto breviter sagittato, callis depress. triangul. 2 in basi; col. arcuata alis quadrat. hyalin. juxta foveam anthera mucronata. — In ins. Formosa det. cl. Maries. — Veitch
Aff L. bituberculatae Ldl (elatae Ldl)

Bulbi cylindrical. Sep. & pet. very light purple with green border.

Gard. Chron. 1880. I p. 264.

Octomeria Saundersiana. Rchb.f.

Caule secundario vix pollicari, folio terete apice subulato, antice canaliculato, ultra 2" longo, floribus geminat. (nunc fasciculat?) sep. triangul. pet. subaequalib. lab. trifido, lacin. lateralib. triangul. dorso obtus. lacinia media oblonga acuta, parve undulata, carinis 2 inter lacinias lateralys; col. clavata, incurva. Sep. ochracea, striis purpur. 3. Tep. aequalia. Lab. disco postice violaceo-purp., antice stria media violaceo-purpurea, guttulis violaceo-purpureis circumjectis ceterum ochraceum.

Brasilien. Blühte bei Saunders.

462. Gard. Chron. 1880 I. 264.

Angraecum hyaloides. Rchb. f.

Pusillum habitu A. citrati. Fol. cuneato-obl. acut. racem. breviss. flore 1 evoluto, bract. 2-3 ~~vaginantib.~~ superiorib. omnib. triangul. brevissim. sep. pet. q. oblongo-ligulat. obtuse acut. lab. oblongo, calcari filiformi apice clavato ovarium pedicellatum excedente; pollinarii caudicula simplici. — Madagascar - Veitch.

Gard. Chron. 1880. I 232.

Liparis Stricklandiana Rchb. f.

Pseudobulb. ovoideo-conic. monotriphyll. fol. lin.-ligulat. acut. pedunculo compresso utrinq. alato, hinc ensiformi, racemo plurifloro. bract. triangul. ovaria pedicellata non aequantib. sep. ligulat. pet. linearib. apice retuso. labello a cuneata

basi transverso dilatato trilobo, lob. lateralib. rotundat. lobo medio triangulo brevi, omnib. lob. antice minutissime denticulat. col. curvata apice vix conspicue dilatata.
Flores nonnisi siccos compressos vid. - Sep. extus supra lineam medianam vix obtuse carinata. Calli minuti forte hemisphaerici s. conici in labelli ungue videntur adesse sed nimis compressi, hinc non pro certe indicati.
— Near L. stachyum. —

Gard. Chron. 1880, I. p. 232.
Restrepia Falkenbergii. Rf.
Caespitosa, magna (usque ad 19 centim) vaginis aocipitib. ramum ampliat. obliqu. imaculat. folio cuneato obl. obtuse acuto discolore; sep. impari a triangulo basilari in caudam longiorem apice clavatam extenso;

sep. parib. connat. apice bidentat. pet. sepalo impari subaequalib. sed breviorib. & angustiorib.; lab. panduriformo isthmo bene angusto, portione superiore utrinq. obtusangulo, inferiore (anteriore) obtusangula apice obtuse bidentata, carinis obscuris 3 in parte anteriore, internis ante basin optime evolutis.

Flowers in the way of R. antennifera yellow with some white & purple. New Granada? Mr. Tatin?

Bot. Reg. 1826. tab. 1002.

Lissochilus ~~A~~ streptopetalus.

Eulophia streptopetala Lindl. Foliis lin-lanc. nervos. scap. simplicib.; sep. exteriorib. obl. obt. interiorib. 2plo majorib. colorat. basi tort. labelli lobo medio rotundato emarginato, calcari conico abbreviato.

Nach der Abbildung & Diagnose samt Descriptio in Bot. Reg. l. c. ist Lissoch. Graefei ~~wesentlich~~ Kralisch verschieden
1, durch die Sepalen, welche spitz & ganz anders gefärbt sind (bei L. streptosep. sind sie obtusa patentia olivaceo-viridi-maculata.")
2, die Petalen welche bei Graefei nicht unguis torsione reversa sind sondern gradlinig verlaufen ohne jegliche Krümmung.
3/ durch das Label., welches bei L. streptosep. angenscheinlich einen ausgebreiteten lob. intermedius hat & nicht einen so scharf zgs. gekniffenen, wie L. Graefei ihn hat.
4/ Hat L. Graefei eine gewaltige rhomb. glandula. Von L. G. Strepto-sep. heisst es „glandula parva brunea."
5/ Die Blüten von L. Graefei sind grösser
6/ Die Bl. sind direct lanzettlich bei Graefei & nicht lin.-lanceol. auch sind sie mehr als doppelt so breit.

466. Gard. Chron. 1880. I, 200.

Masdevallia pulvinaris Rchb.f.

Aff. M. erythrochaete. Folio cuneato obl.-ligulato acuto firmo ultra spithameo, pedunc. ulnari densissime verrucoso, distanter vaginato; racemo laxo paucifloro disticho, ovariis pedicellat. sigmoideis bracteas ocreatas bene excedentib. sep. impari triangulo cum cauda longiore apice clavato breviter falcato unguiculifera sep. parib. connat. obl. brevi-bicaudat. inapicilari dimidio ante caudas pulvinatis; pulvinari carnoso oblongo profunde fisso; tep. obl. acut. obliqu. denticulo in margine superiore; lab. obl.-ligulato utrinq. bis emarginato, hinc si mavis bipandurato, antice limbo serrulato, carinis serrulat. 2 in disco; columnae alis rhombeis.

Sep. olivacea purp.-brunneo

striata, caudis purpur. Pulvinar olivac. Tep. flava maculis purp. Lab. albo-flavescl. maculis atropurp. Col. flavida maculis utrinq. flavis ad alas. — Flos quam ill. M. ositho-dis bene major.

Leaf nearly 2" broad a span long. The raceme is lax, 8-flowered in the good specimen (of 2 sp.) Flower yellowish with dark & lighter spots.

Gard. Chron. 1880, I. p. 168.

Laelia Dormanniana n. hyb.? ♃

Pseudobulbo pedali tereti ... sulcato mono- s. diphyllo, fol. cuneato-obl.-ligulat. acut.; pedunculo 2-5-floro e spatha angusta, sep. obl.-ligulat. tep. paulo angustiorib. paulo undulat. lab. trifido, lacin. lateralib. semioblong. obtuse acut. lacinia mediana obcordata transversa, carinul. serrulat. brevissim.

(in ima basi,

468. columnae auriculis dentat. magn. antherum tegentib.

The anther contains 4 fully developped & 4 rudimentary pollinia some adhering one with another

Gard. Chron. 1880, I. 168.

Cymbidium cochleare Rchb. f. Lindl.

Contrib. Indian Orch.

"Gracilis caule tumido brevi."

Fol. linearib. acut. pluripedalib. pedunculo gracillimo rigidissimo, nutante, dimidio inferiore; vaginis obl-ligulat. obtuse acut. scarios. cinnamomeis lax. racemo laxo plurifloro (8–13) bract. minutissimis ovariis pedicellat. anthera brevib. (5 cm); perigonio campanulato conniven. sep. (4.5 cm) linearib. apicem versus paulo dilatat. acut. sep. impari fornicato, pet. subaequalib. labello a basi valde angusta dilatato triangulo

apice abrupte trifido, lacin. lateralib. magn. subtriangul. prope rectangul. lacinia mediana sessili triangula undulata, carinis 2 in disco anteriore assurgentib. supra basin laciniae mediae abruptis; col. elongata trigona apice incurva, caudicula obl. quadrata; polliniis pyriformib. in stipitib. cercis-venilibus (sic!) postice fissis.

Pedunc. atroviolaceus, Sep. brunnea linea mediana & marginib. flavedis. Pet. flavida plurimis guttul. cinnamomeo-bruneis. Lab. cereum macul. innumeris bruneis & supra lacinias laterales, lacinia antica aurantiaca maculis rufis. Col. pallide viridiflava, guttulis antice violaceis.

Sikkim, J. D. Hook. Burmah, Boxall.

470. Gard. Chron. 1880 I. 104.

Oncidium ceanthocentron (corr. "on" above) Rchb. f.

Aff. O. pyramidali Lindl. Inflorescentia densissima dilissima; sep. ligul. obtus. pep. unguiculat. lanceolato-obl.-ligulat. obtus. lab. pandurato basi latiore, lob. postic. retrorsis obtusangul. callo 5-dentato dentib. lateralib. biseriat. in angulo inter utrumq. unidenticulat. alis columnae oblong. emarginat. (hinc pandurat.) tabula infrastigmatica inferne quadrata producta. In Andib. des. F. C. Lehmann. Nearest O. elephantotis. The lip is of dark colour with a nearly rhomboid yellow centrum.

Gard. Chron. 1880 I. 104.

Thrixspermum Moorei. Rchb. f.

Fol. lorat. lat. obl.-ligulat. apice; pedunculo 1/2 folii aequante parte superiore racemoso; bract. triangul.

minutissim. sep. pet. q. oblong. obtusissime acutiuscul s. obtus. unguiculat. lab. unguiculato reniformi conico basin. lateralib. porrect. semi-lunato-falcat. magn. lacinia mediana retuso-emarginata minutissima cornicul. conic. 2 introrsi. apposit. linea hippocrepica velutino-papillosa sub columna in sacco, rostello bidentato, polliniis cereis densissim. Sep. & pet. ochraceo-flava elegantissime atropurpureo guttulata Lab. macul. striisq. atropurp. & aurantiaci. Col. flava macul. brunneis pallidis.

New Britain mis. Ch. Moore ad Veitch. Blätter breiter als 2" naheza 1' lang Blt. Stand halb so lang. Blt ähnlich denen von Thr. lunatum. Pollin. denselgelb & sehr wachsähnlich.

472. Gard. Chron. 1880. I. 72.

Barkeria cyclotella Rf.

Racemosa bract. triangul. scarios. ovariis pedicellat 5x breviorib. sep. triangul. acuminat. sep. ovat. acut. labello supra basin columnae adnato. basi leviter cordato, ceterum plus minus circulari, integerrimo plano carinis a callis depress. basees exeuntib. bene ante ~~[illegible]~~ apicem abrupt. vulgo ~~[illegible]~~ obscuris. columnae apice utrinq. apiculata, alis semioblong. haud conspicuis.

Colores B. Lindleyanae sed column. immaculata

= Epidendr. cyclotellum Rf.

It stands between B. Lindleyana & melanocaulon having the keels of the first & the lips nearer the second. B. Lindl. & var. Centerae hat eine quer oblonge Lippe

Gard. Chron. 1880. I. p. 41.

Odontoglossum Horsmanni. Rchb. f.

Species? hybrid?

Pseudobulbo compresso pyriformi, sulcato et plicato, fol. lin.-ligulat. acuminat.; pedunculo uni- (anni) pluri-floro; sep. triangul. ligulat. tep. obl. acut. lab. panduratoo minute denticulato, call. ancipitib. ligulat. bidentat. 2 in medio interposito callo rotundo multo breviore, callo utrinq. humillimo depresso multi-sulcato extus minute denticulato, columnae alis subquadrat. angulo utrinq. extus in columnae angulo antico sub fovea. Flores albo-sulphurei. Sep. cinnamomea maculata. Calli labelli aurantiaci Macula cinnamom. in disco antico labelli. Alae columnae albo-sulphureae cinnamomeo-maculatae. Macula fusca antice sub fovea. — Ocañae det. Horsmann.

474. Bulb 1" long 2/3" broad over the base. Leaf 5" l. 1/3" wide. Flower as large as of a middle-sized Od. Pescatorei & nearly same shape. Ground-colour is a very light whitish purple. etc.

Botan. Regist. 1840. Misc. p. 64.
Catasetum spinosum. (Ldl.) Hook.
(Myanthus) Pet. apicem versus serrat. labelli infra medium saccati margine pil. tenuib. succulent. alb. longe fimbriato apice angusto attenuato recurvo supra ad basin spina tripartita infra apicem spina magna dentata porrecta.
Hook. in Bot. Mag. t. 3802 sub Myantho.
Gardner. Ceará in Brazil near C. barbat., dem es sehr nahe verwandt ist.

Bot. Regist. 1840. Misc. p. 52.

Dendrochilum filiforme Ldl.

Pseudobulb. conic. scapo filiformi terminali elongato, racemi multiflori rhachi angulata subflexuosa bract. paleac. convolut. ovario aequalib. pet. obovat. labello cuneato rotundato basi auriculato integro intus bilineato, columnae appendicib. subulat. glabr. liber. columnae longitudine.

Manilla - Cuming spike 6" l. Flowers greenish brown. It is near D. simile & cornutum Bl.

Bot. Reg. 1841. Misc. No. 4.

Gongora ~~fulva~~ vitellina ist nichts weiter als eine Variet. von G. fulva gelb-blühend weniger gefleckt mit kleineren Blatt & kürzerem Labell. Stammt aus Oaxaca.

476. Bot. Reg 1840 sub. tab. 68.

Angraecum brevifolium Ldl.

Fol. coriac. lin.-obl. obt. oblique emarginat. spic. opposititfol. brevissim. sep. pet. q. obtus. lab. obsolete trilobo obtuso, calcari clavato ovario longiore.

Stems long rooting with a few leaves at their extremity Flowers exceedingly small.

Brazil. Prince of Neuwied.

Ebendaselbst sind fol. brasil. Arten beschrieben. tenue, Fasciola, ornithorrhynchum & polystachyum.

Gard. Chron. 1879 II. 782.

Brassia antherotes Rchb.f.

Racemosa. Sep. caudat. sep. bene brevioribus lab. obl. acuminato antrorsum dilatato antice bene acuminato (sic!) callo baseos ligulato antice connato, basi dilatato ampliato in ...

puberulo velutino; linea angu-
lata utrinq. antepositas.

— Oncidium anthrostes Rf. —

This has the richest colours. The yellow
is as deep as it possibly can be
without being orange. all- washed
or ~~spotted~~ blotched with deep purple
Collected by the Klaboschs. Sent by Veitch.

Gard. Chron. 1879. II. 750.

Microstylis metallica. Rf.

cf. Bot. Mag. tab 6668. Carton I & Kotiz-
ban. p. ~~87~~. 86 - 87.

Pseudobulbo cylindraceo 6-phyllo. fol.
~~Gard. Chron.~~ petiolat. obl-acut. obscurissime
violaceo- purpureo nigrat. inferne purpur.
pedunculo teretiusculo multisulcato
laxe racemoso; bract. triangul. lanceis
deflex. ovariis pedicellat. gracillim.
multo brevioribus. sep. impari lineari
obturato trinervi, sep. parib. obl.-ligu-
lat. obtuse acut. subcurvat. quinquenerviis

sep. linearib. obtuse acut. trinerv. labello sagittato obl. antice ~~tereti~~ retusiusculo hinc subquadrato antice breve serrato, calli 2 parvulis ante carin columnae erecto-biauritae brevis. — Borneo, Bull.

Gard. Chron. 1879, II. 718.

<u>Microstylis calophylla Rchb.f.</u>

Pseudobulbo conico pleiophyllo. Fol. brevi petiolat. obl-lanceolat. acut. nunc paulo undulat. per discum obscurioribus marginib. pallidissim. transverse obscure striolat; pedunculo elongato, bract. lin. setac. ovaria pedicellata aequantib. s. superantib. sep. obl. obtus. pant. nunc curvul. omnib. 3-nerviis; tep. lin. obtuse acutiusculis 1-nerv. lab. sagittato (raro subhastato) auricul. laminam aequantib. retrorsis (raro spatulo-divergentib.) lamina

sub quadrata (raro late-triangula) antice medio brevius longius quadridentata, dentib. median. vulgo porrect. forcipat., basi labelli pro columna excavata, carina transversa obtusiuscula oblate 3-dentata (antep. trian.), columna biaurita. — Sep. flavida laterib. purpur. lavata. Pet. flavida. Lab. sulphur. basi purpur. Col. sulphurea Macroy. Veitch. Bull. Hort. Hamburg. jet ratrochein lich Crepidium flavescens = Crep. Rheedii Bl.

Gard. Chron. 1879. II 680.

Dendrobium fuscum Fitzgerald.

A robust species from 2-6' in height; stems much enlarged in the middle; leaves only in the upper portion & largest in the middle, ovate elliptical thick margins recurved. from 1-4" long emarginate amplexicaul, overlapping each other; racemes from

480. 6–8", produced from below the leaves on the top of the stem; flowers not apparently exceeding 12 on pedicels under 1", peduncle thick & enclosed at short intervals by about 4 acute bracts under 1" long; sep. broadly lanceolate acute the lower ones falcate 3/4" reddish brown lighter on the edges, (not undulate) pet. linear oblong undulate towards the top, 1 inch, darker than the sepals margins light; labell. 1/2" linear, 2''' broad, lateral lobes incurved, central lobe about 1''' long acute; plaits of the disk 5, much raised towards the central lobe, spur about 2''' obtuse, slightly recurved; column short, broad, the wings higher than the anther, emarginate, anther very flat.

Gard. Chron. 1879. II. 648.
Chondrorhyncha Chestertoni Rf.
Aff. C. fimbriatae Rf. sep. angus-
tiorib. lateralib. acuminat. tep.
a basi cuneata ligulat. longe
fimbriat. lab. cuneato oblongo
pandurato emarginato lobulato
fimbriato, callo ante basin, an-
tice tridentato; area incrassata
utrinq. dentes non attingente.
Flowers larger than in C. fimbriata
yellow, all parts narrower.
Neu-Granada leg. Chesterton.

Gard. Chron. 1879 II. 615.
Stanhopea florida. Rf.
Pseudobulbo & fol. St. oculatae.
Ped. plurifloro (7) densifloro; bract.
magn. cymbaeformib. ovaria
aequantib. sep. obl. acut. tep. ligu-
lat. acut. hypochilio magno antror-
sum dilatato; ~~caule~~ canali postice
lato,

482. antice angustissimo, carin. lateralib. in margine superiore, juxta canalem medium exeuntib. toto corpore superne angulato, inferne recto, introrso ante merotilium abrupto, cornubus teretib. acut. ascendentib. antrorsum dilatat; epichilio ovali acuto integro; columnae alis angust. parv. Flos magnus candidus, punctul. purpur. in perigonio, macula purp. magna utring. inter carinas hypochilii.

It rauds near St. costaricana.

Gard. Chron. 1879, II, 554.

Brassia cryptophthalma Rf.

Aff. B. Wageneri Rf. Racemo denso, sep. lin-lanc. aristat. sep. paulo brevior. lab. panduratum antice valde dilatato acuminato

carin. calv. quadrigemini. basilarib. humilib. obl. antice acut. antepposit. lamell. 2 oblong. — Flores pallide flavi, sep. infra nigroviolat. Lab. intensius flav. Carinae albae macul. minut. brunneis. Maculae magnae obscure nigroviolaceae in labello. Maculae 2 nigrae in androclinio. — Ex Peruvia imp. Mayer Carlsruhensis.

Gard. Chron. 1879 II 554.
Dendrobium cerinum Rf.
Caule teretiusculo denum multum sulcato calamum aquilin. crasso, racem. brevib. pauciflor. densiflor. sepalo impari ovato oblongove acutiusculo, sep. laterali. triangulo semiovat. obtuse acut. in mentum teretiusculum apice abrupte acutum extensis; tep. ovat. obtuse acut. labelli ungue cum cornu retrorso

 in medio, lamina subrotunda laevi antice minute denticulata col. clavata. — Flores cerini, nitidi citrolenci, bruneo lavati. Lineae fuscae radiantes in basi laminae labelli. Ex affinit. D. sanguinolenti, labello tamen & mento multum recedens. — Ex archip. Sundaico misit. Burbidge ad dom. Veitch.

Gardeners Chron. 1879 II. 489.
Miltonia Bleuntii. Rf.
(Clowesii spectabilis)
Sep. ligulat. acut. sep. obl.-ligulat. brevit. acut. lab. subpandurato antice valde dilatato obtuso ante basin utrinq. obtusangulo, carin. angulat. 2 calv. in basi; col. brevissima crassa alis magn. angustinod. Sep. sep. q albido flavida medio macul. conspicu. atro-purpur.

Labellum alb. disco ante columnam violaceo-purpureo. Columnae alae obtusissime atro-violaceae.
(Oncidium Bluntii Rf.)
Brasilia, Blunt.
Like Mil. spectab. in size, in habit & in size of the labellum

Gard. Chron 1879, II, 488.
Cypriped. porphyrospilum Rf
Lowei x Hookerae.
Fol. C. Lowei sed brevioribus & magis opacis pedunculo puberulo 2floro, bract. spathac. abbreviat. porrect. ovario pedicellato velutino multo brevioribus. sep. dorsali ovato oblare acuto; sep. binato angustiore apice simpliciter acuto, tep. ligulato-dilatat. oblare acut. tort. maral. in parte superiore incrassat. labelli ungue limbis involut. sacco antice retuso medio obsoletissime emarginato

487. laterib. breve angulat. stamineodio semilunato antice utring. incurvo forcipato, angulo minutissimo in sinu. Col. Veitch.

Gard. Chron. 1879 II. 424.
<u>Oncidium leucotis. Rchb.</u>
aff. O. obryzato Rchb. Panicula rigide erecta ramis fractiflex. sep. pet. q. cuneato-obl. obt. lab. ante pandurato isthmo elongato; lob. postic. retrors. antic. obl. antrors. medio imbricantib. callo elongato a basi antice didactyl utring. medio angulato alis apicem versus acut. angustissim. tabula infrastigmatica prona quadrata. Flores flavi non brunneo-picti, concolores. Flor. O. Boothiani aequantes.
Columbia. Mr. Ball imp.

Gard. Chron. 1879. I. 202.

Limatodes labrosa. Rchb. f.

Pseudobulbo elongato articulato constricto, pedunc. piloso racemoso plurifloro, bract. membranaceis obl. acut. pilosis. ovarii pedicellati dimidium non aequantib. sep. triang. tep. latiorib. labello a basi cuneata dilatato flabellato crispo velum ~~quondam~~ columnam ~~amplectente~~ involvente, linea media carens tabulari elevata; calcari piloso in basi columnae supra unguem ovario pedicellato breviore; tenui est. trigona crassa. Sep. flava intus purp.-lavata. Tep. intus purp. Labelli lamina aquose purpurea, fundo albo guttulis purpureis. — Moulmein. imp. Veitch.

489. Gard. Chron. 1879 II. 390.

Echioglossum striatum Rchb. f.

Caule erecto ramoso stricto; vaginis valde arpophyllaceis, fol. lin.-ligulat. apice inaequaliter acut. valde coriac. sub nervo mediano apicem versus carinat., racem. abbreviat. densiflor. cernuis parviflor. sep. pet.q. angustiorib. obl. obtuse acut. lab. obtuse conico breviter saccato, lamina 3-fida, lacin. lat. triangul. erect. lacinia mediana hastato-triangula acuta apice bidentata, callo ligulato retuso ante foveam in carinam per calcaris foveam in laciniam anticam transgrediente; caudicula lineari, parte antica glandulari hippocrepica utrinq. obtusa maxima, flores flavi. Sep. pet.q. rubro longitudinaliter bistriata. Ovarium subq. striat. — Sikkim. Darjeeling.

Habit of E. minax

Gard. Chron. 1879. II. 200.

Oncidium ornithopodum. Rf.

(W) aff. O. aurifero Rf. callo in basi labelli trifido, laciniis calli lateralib. excavat. lacinia media solida rostriformi toto callo tarsum avis imitante, columnae tabula utrinq. a latere medio acuta medio impressa hinc antice tabula excavata medio utrinq. angulo insiliente constricta a basi foveae ad mediam tabulam.

Hat kleine Blt. als auriferum u. einen merkwürdigen dreiteiligen Callus, die tab. infrastigmatica ist in der Mitte eingeschnürt ähnlich wie das Glas einer Sanduhr.

Gard. Chron. 1879, II, 136.

Oncidium pyxidophorum Rf.

aff O. pubi Ldl. Optime macropetalum, sep. lat. apice bifid. labelli partitionib. lateralib. linearib. falcat. partitione

antica reniformi maxima carinula muriculata in basi unguis in membranam denticulatam retrorsam utrinq. exeunte, callo tumido emarginato antepsosito, callo sigmoideo transverso angusto muriculato in basi partitionis anticae; columnae androclinio lacinia postica cucullata tecto, aliis lateralib. triangul. denticulat. Flores xanthini.
ähnlich wie O. graber & cornigerum aber d. Blt. ganz gelb. Sehr bemerkenswert sind die kleine Höhlung an d. Basis d. Lippe & die gesägten Seitenflügel d. Säule

Gard. Chron. 1879 II. 40.
X Stanhopea Reichenbachiana Roezl.
(Stanhopeastrum) Labello semiglo-boso pandurato acuto hypochilio oblique semigloboso limbo superiore

duplice carinato in angulum abruptum exeunte, pectore infra angusto, mesochilio solido angustiore superne per medium late canaliculato, canali supra ostium hypochilii in triangulum exeunte, carinis 2 superiorib., una carina inferiore antice angulo 1 inferiore, angulo altero inferiore abruptum (?) pro[illegible] episthilium triangulum convexum; col. arcuata clin semioblong. angust. alulis retusis parvul. sep. impari ligulato acuto fornicato, sep. parib. late oblongo-triangul. acut. sep. ligulat. acut. inflorescentia biflora, bract. ovaria pedicellata non aequantib. pseudobulbo & fol. St. connatae Kl.

In the way of St. eburnea, flower delicate white, sep. & pet. become ochre-coloured, hypochile ivory, col. green wings hyaline.

493. Gard. Chron. 1879. II. 40.

Epidendrum palpigerum. Rchb. f.

(Amphiglottium) caule validissimo alto, foliis — panicula ampla racem. corymbos. bract. triangul. minut. sep. cuneato-obl. acut. sep. subduplo latiorib. obtuse rhomb. antice cucullat. lab. trifido laciniis lateral. semi-cordat semiovat. parce denticulat. lacinia antica oblonga acuta laterib. eroso-denticulat. ~~lacinia antica oblonga~~ callis triangul. 2 in basi, interjecta carina excurrente in apicem columnae androclinio cucullato 5-fido; lacin. antice porrect. linearib. retus. palpiformib. — Mexico. — Bull imp.

Ähnlich Ep. Wrightii. Traube mit 3 spalt. Lippe. Petal. sehr gross 2× so gross als die Sep. lilac flowers etwas grösser als E. ellipticum. Säule grün

Gard. Chron. 1879. II. 182.

Laelia Philbrickiana × Rf.

L. elegans × Cattl. Aclandiae

Pseudobulbo humili 2phyllo, inflor. 2flora sep. ligul. acut. tep. paulo latiorib. lab. trifido. lacin lateralib. basi semicordat. antice angulat. obtus. sinu angusto separat. a lacinia antice subcordata emarginata transversa laterib. minute lobulata crispula, col. trigona ampla dorso obtusangulo superne dilatata, pollin. valde inaequalib. Sep. pet. pallide castanea marginib. purpur. Labelli lacinia antica pulcherrime purp. Lac. lat. albidae pallide purp. marginatae Linea longitudinalis mediana inter lacin laterales albida utring. zona purpurea extrorsum radiante involuta. Col. pulcherrima purp. violacea basi albo-viridis.

495. Gard. Chron. 1879 II 182.

Cypripedium Mastersianum. Rf.

Aff. C. Bulleniano. Fol. obscurissime marmorat. pedunc. valido elongato piloso, bract. ovario pedicellato multo breviore, sep. impari ovali transverso; sep. conat. multo minorib. apice 2dentat. angust. labello multo breviorib., Sepp. ampl. obl. obt. divaricat. Labelli calceo obtusiss. amplo ore antice emarginato, angul. obtus. erect. lacini. lateralib. involut. valde papulos. staminodio oblongo, postice bidentato, antice profunde emarginato, lac. lateralib. ~~involuat~~ semioblong. obtus. interjecto denticulo minuto in sinu.

Sunda-Inseln. O. Sep. grün mit breitem weiss. Rand. Unt Sep. ebenfalls grün Pet. kupferfarbig mit rth. agen Fleckchen & ockerfarbigem

Rande. Lippe weit braun
und mit ockerfarb. Rande. Staminod
ockerfarb. mit 2 braunen Streifen.
Von d. Sunda Inseln — Veitch.

Gard. Chron. 1878. I p. 40.
Dendrobium undulatum R. Br. ¼
var. fimbrilabium. Rf.
Validissimum. Labelli lacin. lat.
antice fimbriat. lacinia mediana
oblonga obtusa cum apiculo
Sep. citracea. Sep. ejusd coloris
bruneo nervosa & punctata
Lab. pallide sulphur. callo longi-
tudinali albo, lateribus violaceo-
lesatis Col. basi violaceo-pur-
pureo striata.
Gard. Chron. 1878, I, 72.
Masdevallia [illegible] Rf.
(Cucullatae) aff. M. cucullatae Ldl.
Caespitosa foli. cuneato-obl. acut.
Pedunculo folio bene evoluto breviore

497. breit. ampla triangula complicata in perigonii dorsum incumbente; sep. prope (basilare) tertia connatis, labio superiore triangulo brevi in setam multo longiorem extenso; labio anteriore ante cupulam abrupte intenso antice brevissime bifido in setas breviores extenso; sep. semi-hastato-obl.-ligulatis inferne medio emarginat. superne medio angulat. angulo inflexo apiculo columnari crasso multipapulosa assiendente. lab. panduratum parte antice minore oblonga angula rhombea denticulata, androclinio integerrimo; — Ab M. cucullata statim sepalor. apicib. distinguenda. — New Granada leg. Backhouse. Widow-face by the natives. Dark coloured.

Gard. Chron. 1878, I, 72.

Sarcanthus Hincksianus Rf.

(Teretifolii) Radicib. folia bene excedentib. fol. teretib. obtus. racemis paucifloris. laxifl. sep. tepq. ligulat. obtus. labelli lacin. lateralib. subquadrat. obtusangul. erect. lacinia mediana triangula parva carnosissima, calcari extinctorii formi apice retuso sed multo magis attenuato quam in S. teretifolio, callo ligulato utrinq. retuso medio utrinq. angulato sub basi columnae septo per calcar in barin laciniae mediae oblique transgrediente, col. trigona antice utrinq. velutina, caudicula lineari aequali. — Sep & pet. green with 3 equal red stripes. lip brownish red. spur yellowish with purple veins. col. greenish-yellow.

499. Gard. Chron. ~~498~~ 1878 I p. 138.
Listrostachys Sedeni Rf.
Fol. late-ligulat. 17 cm long 2.5 cm lat. apice oblique tridentat. racemo abbreviato, bract. ochreat. lanceis extenuis; ovaria pedicell ½ aequante. sep. lanc. acuminat. sep. subaequalib. lab. lanceo acut. edentulo, calcari ab ore amplialo filiformi acuto ovario cum pedicellato longiore recto nec curvato. anthera abrupte rostrata.
— Afric. aequinoct. oriental.
Sehr nahe d. Aug. arcuat.
Neilich von Seden erhalten.

Gard. Chron. 1878. I. 138.
Oncidium cruciatum Rf.
Aff. O. pubi Ldl. Lamii-laxifl. florib. nitide colorat. melius quaquavers. nec subsecundis: sep. summo obovato obtus. v. emarginato

sep. inferiore cuneato obl. subdentato; sep. rhombeo-ligulat. apice minute denticulat. (microscopica) labello cuneat. trifid. lacin. later. median. lineari. retusiuscul. divaricat. s. recurv. lacinia antica barbata oblongata emarginata disco unguis cartilagineo, lateribus minute sinuato dentato in angulo ante lacinias laterales utrinq. in cornu lineare extenso, disco inter has lacinias elevato, antice emarginato in basi laciniae anticae incrassato papuloso, columnae androclinio cucullato denticulato, alis validis linear. retusis porrectis.

Oncid. pubes var. flavescens Hook. Bot. Mag. t. 3926.

501. Gard. Chron. 1878 I. 168.

Zygopetalum expansum Rchb.f.

(Umbonata)

Lab. lat. ligulat. concav. antice dilatat. marginib. in fimbrias soluto. Fol. cuneat. obl. ligul. acut. Pedunculi 1-flor. laevi. Sep. ligulat. acut. sep. subaequal. ampliora. omnia pallide viridia. sep. superne tota brunnea, infra ne punctat. purp. brunneis. Lab. basi callo didymo oblongo utroq. dimidio uno antice semiorbiculato; dimidium superius striolis interrupt. longitudinalib. brunneis, dimidium anticum punctat. brunn. col. juxta foveam ampliata callo transverso sub fovea.

Hat starke Ähnlichkeit mit Hupfsteinia graminea.

Gard. Chron 1878, I, 168.

Calanthe Sedeni n. hybr.

Pseudobulbo C. vestitae

Ped. validiss. piloso. bract.
obl.-acut. ovario pedicellata vix
1/2 aequantib. pedic. ovariisq.
pilos. sep. ligulat. acuminat.
extus pilos. sep. latiorib.
lab. trifido, lacin. lateralib.
triangul. obtus. crenulat. laci-
nia mediana biloba emargi-
nata. calc. filiformi incurvo
apice minute obscurissime sub-
bilobo labellum non aequante,
col. 3gona brevissima.

Hybr. inter C. vestita rubro
oculata × C. Veitchii.

= Preptanthe Sedeni. Rf.

Gard. Chron 1878 I. 262.

Cypripedium Hinckoianum Rf.

Fol. ligulat. lorat. coriac. Ped.
elato apice pluriflo. racemoso;

503.

Bract. heliconiaceis s. carinato-triangul. acuminat. complicat. ovariis calv. sep. dorsali oblongo ligulato oblanceolato, limbo crispulo; sep. a basi lata angustissime caudatis: labelli calceo elongato conico utrinq. supra ostium tumore auriculato cavo ima basi edentulo, staminodio transverse rhombeo postice velutino. —

<u>Selenipedium Hinksianum</u>. Rchb. f.

Steht S. dariense & Hartwegii nahe unterscheidet sich aber durch das spitz kegelförm Labell. v. descriptio. Färbung ähnlich wie bei Hartwegii

Gard. Chron 1878 I. 366

<u>Odontoglossum Jenningsianum</u>

Nat hybr.? Hort Veitch. Aff. Od. Ruckeri. Sep. sep.q. cuneato obl.

acuminat. valde crispul. denticulatisq. labello a basi rhombeo denticulato lanceo-acuminato paulo crispulo, callo ligulato antice 5-dentato ($\frac{3}{2}$) ante basin utrinq. denticulato, columnae alis quadrat. antrorsum laceris. Perigon. lacteum maculis cinnamon. Labelli basis flava.

Gard. Chron. 1878, X. 462.
Dendrobium strongylanthum Rchb. f.
Caule erecto superne paulo leviter fractiflexo pedali calamum anserinum crasso; vagin. arct. racem. lateral. densiflor. bract. lanc. ovaria pedicell. subaequantib. sep. impari lineari acuminato mento obtusangulo, sep. paribus lanc. acuminat. lab. unguiculato dilatato triangulo lateribus

505. ad medium usq. pectinato
serrat. apice angustato utrinq.
call. carnos. abrupt. post.
callo depresso antice multipapil
loso(!) in disco per lineam me-
dianam carinato, col. triden-
tata medio constricta. – Flores
flavovirides, mentum & basis
sepal. or. luride atropurpurea.
Sep. eodem colore punctulata.
Labell. utroq. latere & margine
cuspidis & anticae & callo
atropurpureo-violaceum.
Die nächststeh. Arten sind D.
eriaeflorum Griff. D. denudans Don
& pycnostachyum Lind.

Gard. Chron. 1878 I. 462.
Sophronitis purpurea Rf.
Pseudobulbo breviss. crasso
fusiformi. folio cuneato ellip-
tico acuto, sep. triangul. tep.

cuneato rotund. obtuse acut. lab. trifido, lacin. lateral. porrect. late triangul. callo emarginato in basi. – Brasilien

Gard. Chron. 1878 I. 492.

Pescatorea bella Rchb. f.

Sep. cuneato-obl. obtuse acut. tep. subaequalib. labello bene unguiculato cordat. obl. limbis revolut. triangul. callo hippocrepico ex ~~tim~~ lamellis 21 in basi maximo, disco laminae liberae omnino laevi; col. trigona ad apicem dilatata basi utrinq. auricula minuta acuta extrorsa, apiculo interjecto in medio.

Zygopet. bellum Rchb. f.

Blt. so gross wie bei Zygopet. crinit. Sep. & Pet. hell weisslich violett mit purpur. Querband nahe der

507. der Spitze Lippe weisslich gelb, die 21 Kiele purpurlich – an d. Spitze ein grosser purpurner Fleck. In der Färbung also Bollea coelestis ähnlich. Möglicherweise eine Hybride!?

Gard. Chron. 1878. I. 493.

Masdevallia splendida Rchb. f.

(Coccineae) Fol. cuneato obl. acuto coriaceo, ped. gracili 1-fl ovario pedicellato longe exserto perigonii tubo arcto elongato, sep. impari libero late triangulo brevi in caudam longam abrupte extenso, sepalo pari in labium antrorsum bifidum extenso, lacin. sepalo impari aequalib. Sep. ligulat. apice obl. c apiculo antice basi semisagittatis, carina inde in discum incurrente, labello pandurato las-

subcordato ligulato apice retuso c. apiculo obtuso, columnae cucullo apice denticulato.

Ist ein Verbindungsglied zw. M. Veitchiana & Barlaeana od. amabilis. Sep & Lippe weiss letztere mit purpurrotem Discus. Die Sepalen innen scharlachrot — Aus den westl. Cordilleren

Gard. Chron. 1878 I. 558.

Oncidium Kienastianum. Rf.

(Cyrtochila appendiculata)

Aff. O. trilingui Ldl. Bract. abbreviat. obtuse acut. vix spathac. sep. unguiculat. sepi imparis lamina ovata triangula crispula; sep. parl. cuneato-obl. acut. crispul. lab. 3fido lacin. lat. subquadr. unci medio transverse fissis; lacinia antica ligulata,

589. acuta undulata carina basi magna alta antice tridentata, carina semilunata humillima utrinq. in basi, lamell. perpendiculari de callo tridentato in lamellar 3 antepositar progredientes, lamell. laterl. ligulat. obtus. lamella mediana bifida columnae bucciis prodact. sub fovea stigmatica trifoveolatis, auricul. minut. curvis ascenden tib. bidentat. integrisve — Pseudobulbi et fol. O. serrati. Flor pulchri paniculati brunnei demum atropurpurei. Sep. flava fasciis maculisq. mult. brunneis demum atropurpureis.
Nord-Peru — Roezl.

Gard. Chron. 1878 I 558

<u>Aganisia Oliveriana Rf.</u>

cf.

Gard Chron. 1878, I, 5??.

Batemannia lepida Rf.

Habitu B. Colleyi pedunc. pauciflora(3) bract. ovato triangul. complicat. sep. impari ligulato obtuse acuto; sep. parib. lineari-spatulat. acut. divaricat. tep. sepalo impari latiorib. breviorib. lab. obl. ligulato concavo antice trifido, lacin. lateralib. anguste triangul. hinc serrat. lacinia media cuneato oblonga emarginata androclinii membrana retusa denticulata. Flor. albid. sep. & tep. pro parte majore apice & basi exceptis intus vinoso-purpurea. — Brasiliens.

Gard. Chron. 1878 I 6??.

Sobralia suaveolens Rf.

Fol. rigid. pergamenea. obl. lanc. acut. nervos. plicat. florib. terminalib.

511. psam. umbellat. sep. brevi
usq. liber. ligulat. acut. sep.
angusti orib.; lab. cuneato ob
antice 3fido, lacin. lateral. ob
tusangul. antice serrulat. laci
nia media semiovata denticu-
lata ciliata, carin. per discum
laciniae anticae, minute serru-
lat. carinula 1 minuta extus
utrinq. col. apice tridentata.
Ähnlich der S. Bletiae Rf.
Habitat von S. decora Bat. Blt
gelblich weiss mit wunderrothem
Duft. Eingeführt von Colon
durch Stanger

Gard. Chron. 1878 I 622.
Bifrenaria mellicolor. Rf.
Habitu B. Harrisoniae minutae
Pedunc. breviss. 2floro ovariis
pedicellat. elongat. bract. acumi-
nat. flores superantib. sepal.

semioblong. oblasc acut. lateralib. in calcar gracile retrorsum descendentib. ovarii pedicellati dimidium aequans v. superans; sep. rhombeo obtusangul. labello ab ungue dilatato trifido, laciniis lateralib. semioblong. antice retus. lacinia media porrecta semiovata pilosula, callo tumido emarginato in basi laciniae anticae col. minutissime pubescula.
Flores illis Lysiast. tetragonae aequales flavidus. sep. extus lineis quibusd. rufa. Linea externa calcaris & ovarium pedicellatum rufa.

Zwischen B. Harrisoniae & modesta Blt. grünlich gelb, honigfarbig schmutzig rot gestreift.
Herkunft unsicher, wahrscheinlich Brasilien.

519. Gard. Chron. 1878. I 652.

Dendrobium superbiens. Rf.

(Bigibba) caule alato crasso. fol.
later. obl. ligulat. dimidiam
longitudinem prope lat. crass.
o aequ. purpur. striat. racem.
basi archisis (sic!) elongat. quaqu-
vers. mento breviter extinctorii-
formi antice medio obtuse gibbo,
sep. ligulato-triang. apiculat.
lateralib. subcurv. sep. cuneato-
spatulat. obtuse bene longiorib.
lab. trilobo, lob. lateralib. extrors.
semiovat. lobo medio obl. obtuso
lato; nerv. principalib. quinis, ner-
villis lateralib. planib. conspicuis
carin. a basi in basin, laciniae
mediae ibi semioblongo lamella-
to elevat. dorso serrulat. dentic.
uniseriat.

Gard. Chron. 1878 I. 652. 514

Dendrobium Goldiei. Rf.
(Bigibba) Caule alato crassiusculo fol. ligulat. acut. 1/6 – 1/8 longitudinis lat. crass. purpureo-striat. racem. basi rhizophor.!! subrecurvd. mento breviter extinctoriiformi, antice valde obscure medium versus gibbo (gibboso?) sep. ligulat. triangul. apiculat. lateralib. curv. sep. cuneato-obovat. obt. labello trilobo, lob. later. semioblong. lobo antico ligulato apiculato obscure paucinervi carinis 5 a basi labelli in medium lobum labelli extensis illi lamellato semioblong. serulat. dentib. pluriseriat. purpureo-violaceis.

Gard. Chron 1878 I 652.

Dendrobium Williamsianum Rf.
Racemo paucifloro, florib. membranac. validiusculae telae, mento

515. parvulo conico (antice bigibbo?) resp. ligulat. obtuse acut. sep. cuneato obovat. obtuse acut. labello ab ungue angustiore basta-to trapezoideo, carinis a basi 3 apice in lamellas quadratas erectas compositas 5 expansis.

Sepalen (hell weisslich gelb) vielleicht rein weiss, Petalen rosa Labellum wahrscheinlich prächtvoll purpurfarbig.

Neu Guinea entdeckt von Goldie

Gard. Chron. 1878. I. 788.

Oncidium stipitat. Ldl. platyonyx. Rchb.

Nov. var. Inflorescentiae densissimae floribus minoribus isthmo lato, carina utring. humili juxta carinam principalem.

Bl. lang. drehrund tief gefurcht. Blt. sehr zahlreich u. kleiner als bei d. typ. Pfl.

Gard. Chron. 1878 I 788.

Grammatophyll. pantherinum Rf.

Aff. G. Wallisii. Sep. cuneato-obl. obtuse acut. evidenter margine undulat. Sep. cuneato-obl. obt. labello supra basin columnae trigonae curvae aduato basi cordato dilatato trifido, lacin. lateralib. triangulo-curvat. extrorsis lateribus(?) lacinia media triangula producta longiore, carin. 3 crassis obtus. in disco ante basin laciniae anticae tota superficie calva.

N. Guinea. Goldie.

Gard. Chron. 1878. II. 8.

Hartwegia gemma Rf.

Papilla (sic) 4 cm alta; caule secundario gracillimo, folia semiterete carinato obtuse acuto, panicula reducta pauciflora,

517. bract. triangul. minutiss. sepalo impari ligulato obtuse acuto sep. parib. obl. acut. tep. linearib. acut. labello columnae basi adnato, ante basin ventricoso, gibberoso compresso, dein constricto antice cochleari crenulato, margine crispulo. Caules violaceo-atrati. folia viridia guttulis atroviolaceis. flores purp.-amethystini. Bull.

Gard. Chron. 1878 II. 74.
Odontogloss. Edwardi Rf.
(Myanthium) Panicula amplissima thyrsoidea myriantha, ramis ramulisq. gracilflex. bract. triangul. conspicuis ovariis pedicellat. multoties brevioribus; sep. breve unguiculat. ovat. obt. extus asperis. tep. subaequalib. apiculat. brevib. labello obtuse,

rhombeo genuflexo. callo cuneato oblongo emarginato a basi in medium. papulis 2 obturat inter antice interjecta carinula; col. trigona retusa antice utrinq. basi alata alis juxta foveam quadrat. Ecuador — Edw. Klaboch. Hunderte von Blt. violett mit gelber Lippe

Gard. Chron. 1878 II. 71.

Renanthera histrionica Rf.

Hamilis. Fol. linearis acuminat. pedunc. paucifloro, racemo laxo. sep. lep. q. cuneato. ligulat. obtuse acut. labelli trifidi lacin. lateral. triangul. laciniae mediana ligulata acuta lamellis 2 incumbentib. minut triangul. mini quadrat. in basi hujus laciniae calcari conico brevimorato. — Flores xanthini purp. maculatissi marginati mediocr. parvis.

519. Labell. alb. laciniis latera-
lib. purp. maculat. Calcar
aurantiac. Col. flava purp.
picta. – Ex horto Dayano.
Singapore – Malacca.

Gard. Chron. 1878. II. 106.
<u>Masdevallia abbreviata. Rf</u>
(Amandae)
Fol. spathul. obt. racemo pauci-
floro, bract. cucull. ovaria crispo-
alato vulgo superantib. perigonio
abbreviato ante mentum obtusum
constricto; sepalor. partib. latis
brevissimis triangul. minutissime
denticulat. in caudas longiores
extensis intus calv. tep.
cuneato-oblong. retusis c. apiculo
medio labelli laciniis lateralib.
semioblong. elongat. lamina antica
interposita oblonga laterib.
replicat. lineis tumidis 3; columna

gracilenta; androclinii cucullo serrulato.

Jwischen M. polysticta & melanops.

Gard. Chron. 1878, II. 106.

Cymbidium Leecheanum. Rf.

Fol. lin. acuminat. apice 2dentat. pergameneis; inflorescentia laxa pauciflora (porrecta?), spatha scariosa ligulata in basi; bract. triangul. acuminat. valde brevib. sep. tep. q. lineari-ligulat. acut. lab. 3lobo, lob. lat. [illegible] angulat. lobo medio porrecto triangulo brevi, carinis 2 a basi in basin lobi antici, dimidio antico magis velutin. in carinulas angustiores excurrentib. caudicula trapezoidea. Sep. albido-ochracea linea mediana atropurp. Lab. toto limbo atropurp. disco ochroleuco. Col. atropurp. brevis in basi antice ochroleucis. Formosa. A. Corner

521. Gard. Chron. 1878, II. 106.
Eria Corneri. Rchb.f.
(Hymeneria)
Pseudobulb. adult. cylindraceo 4-gonis; junioribus diphyll. fol. cuneato-oblong. acut. papyrac. racemo porrecto calvo plurifloro; bract. minutissim. florib. curvat. mento angulato bene conspicuo, sep. ligulat. acut. sep. lineari. subbrevioribus labello 3fido lacinia mediana semielliptica acuta, lacin. later. semi-ovat. antrorsum obtuse angulat. carin. elevat. antrorsum undulat. & ramentac. 3 a basi ad apicem. col. semitereti. Flos stramineo-viridulus, labelli lacin. lat. intus brunneo-purpur. punctulatae, media omnino brunneo-purp. — Formosa Arb. Corner.

Gard. Chron. 1878 II. 170

Bulbophyllum poyctoon Rf.

Aff. B. radiato Ldl. Pseudobulb. aggregat. oviformib. tenue multisulcat. 1-phyll. Fol. cuneato lanceo. acuto bene crasso; pedunculo exserto apice pluribracteato 1floro (hinc sine dubio normaliter umbellato) sep. impari triangulo acuminato deflexo; sep. parib. lanceo-acuminat. ante basin gibboso-gramegatturosis latere interno inflexis, decurvis; sepp. oblong. acut. microscopice denticulat. multo minorib. labello crasso semirigmoideo basi excito cordato, medio unisulcato, col. apice utrinq. unidentata. — Assam. Bull.

Hat den Namen davon, dass die Oberfläche d. Bulben aussieht, wie die Eier mancher Schmetterlinge unter d. Microscop. – Blt. grün durchscheinend. Petalen am Rand gezähnt!

523. Gard. Chron. 1878 II. 234

Uncifera heteroglossa. Rchb. f.

Habitu U. Esmeraldae (Vanda Cathcartii) Racemo paucifloro, floribus illis U. acuminatae Ldl. aequantibus sep. tep. q. oblongo ligulat. obtus. labello naviculari limbo anteriore incrassato, calcari ascendente corniformi. Ab U. obtusifolia Ldl. recedit floribus minoribus labelli laciniis retrorsis non evolut.

Blt axe bleich mit zahlreichen roten Flecken Blt so gross wie bei Sarcanth. tricolor. Lippe kahnförmig ohne die zurück gebogenen grossen Zähne von U. obtusifolia. Antherenhöhle zackig vorderer Teil stärker entwickelt. Caudicula länglich rhombisch. Glandula lang linealisch leicht abfallend (resp. hinfällig) Rchb. f. fand viel bisweilen im Sporn.

liegend. wo sie wie eine 524.
innere Lamelle etc. aussah.
Blt weniger & kleiner als bei
M. obtusifolia

Gard. Chron. 1878 II. 234.
Masdevallia hypodiscus Rchb.f.
Aff. M. gracilentae sed 2plo major.
Folio longe petiolato cuneato-
lanceolato, floris fenestra elongata
rostro abrupto deorsum verso,
minuto carinis & cristas crosalis
onustis; tep. rhombeis; labello
... lari obtuso, medio argute
sagittato acuminato ciliato,
disco pavimentato ante basin
anthera apiculata.
Leg. F. C. Lehm. Blt. tief pur
~~purpur~~ violett. Blt bei Low
Gard. Chron. 1878. II. 266.
Listrostachys vingens. Rchb.f.
Fol. cuneato-obl. ...

525. racemo secundo-pauciflora bract. triangul. ovariis pedicellata longe non aequantib. sep. triangul. reflex. tep. rhombeo-ligulat. reflex. labello rhombeo lanceolato calcari amplo filiformi obtuso ovarium pedicellatum plus 2plo excedente. rostello abbreviato. Cameroons.
Zwischen Chaillumanm orovat. Sedeni u. d. filicornis-Gruppe.. Raceme 3'' lang

Gard. Chron. 1878 II. 266.

Bollea Lawrenceana. Rchf.
Omnino aff. B. coelesti.
Sep. tep. q. melius acut. labello antice multo latiore revoluto; col. utrinq. sine bucris incrassat. basi utrinq. semisagittato parvissima in fronte piloso. Sep. et tep. alba apicib. elegantissime violaceis.

Labelli callus flavus. portiones laterales albae portio antica atroviolacea. Col. albo. violacea antice inferne flava maculis rufis. Anthera pallide rufa. Zygopet. Lawrenceanum.
Cult. bei Sir Trevor Lawrence.

Gard. Chron. 1878. II. 300.
Zygopetalum obtusatum. Rf.
Aff. Z. maxillari Loddiges. Racemo longo-laxo, bract. obtus. ovaria pedicellata plus tertia aequantib. sep. pet. q. angustiorib. obtuse acutiuscul. Labelli lamina transverse rhombea obtusangula antice minute medio emarginata, callo antico retuso ebrapsto humili. Reliqua Zygop. maxillaris Lodd. Sep. & pet. viridia angusta brunneo fasciata. Labell. pallide violac., callus interius violaceus (humilis)

527. Pseudobulb. & folia non vidi. Coll. Sir Trev. Lawrence.

Gard: Chron. 1878 II. 300.

Dendrobium Burbidgei Rf.

(Stachyobium Antennata)

Aff. D. minaci Rf. Fol. obl. acut. peduncul. porrect. pluriflor. mento acutangulo parvo, sep. triangul. acut. sep. linearib. acut. apicem versus valde dilatat. labelli tripartiti partitionib. lateralib. triangul. obtus. isthmo angustissimo longo, partitione antica valde transversa ... ~~oblong~~ oblongo-ligulata obtusa medio antice c. apiculo, nervis lateralib. valde approximat. carinis carnos. 5 latis confluentib. in acumen a disco inter partitiones laterales in discum partitionis anticae.

Sunda Inseln
Blt kleiner als b. d. minor
u. nicht purpurlich rond. gelblich
Lip. wahrscheinlich weisslich.

Gard. Chron. 1878 II. 300.
Sarcanthus mirabilis. Rf.
aff. S. Parishii Rf. Hook.
Fol. ligulat. apice 2fid laciniis ligulat. obtus. panicula brachyclada elongata gracili ramulis apice racemosis bract. minutissim. sep. oblong. acut. sepalo impari dorso gibboso fornicato, tep. ligulat. lab. trifido, lacin. lateralib. oblong. acut. brevib. erect. lacinia media triangula porrecta, calcari curvo cylindrato conico sulcato, septato; callo oblongo apice utrinq. divergenti cornuto; basi medio emarginato sub columna,

529. androclinio umbonifor-
compresso; caudicula c. apparatu
incidente bifido, pollinia cyanea
ferente.
Bl. 14 cm lang. 2 cm broad. Blt.
stand 44 cm hoch. Blt gelblich
Sporn etwas purpurn. Pollen
bläulich.
Wahrscheinlich aus Burmah.

Garden. Chron. 1878, II, 364.
Oncidium Millianum Rf.
Aff. O. anthocreni Rf. Pseudobulb.
ligulat. compress. ancipitib.
utrinq. 4-costat. hinc 10-costat.
fol. ligulat. obtuse acut. pani-
cula amplissima macroclada
diffusa laxiflora; bract. triangul.
brevissim. sep. tep. q. subaequal.
oblong. acut. undulat. labelli
basi genuflexo, auriculis rotun-
dat. isthmo medico parte antica

reniformi emarginata callo baseos depresso subrhombeo, antice tridentato, col. crassa brevissima. tabula emarginata incrassata bituberosa, alis angustis minutis.
Bulbe an Rf Ex. 15 cm : 2.5 cm Bl. 25 cm l. 2.3 cm br. Blt. stand länger als 1 m. Blt aus der Verwandtschaft von O. planilabre in Farbe ähnlich wie ein guter O. cucullatum. Möglicherweise eine Entdeckung von Roezl [illegible] stammend.

Gard. Chron. 1879 II. 461.
Catasetum triodon Rf.
Racemo deflexo plurifloro laxiusculo, bract. squamar. acut. ovarii pedicellati 1/3 subaequantib. sep. obl.-ligulat. acut. demum revert. sep. cuneato-obl.-ligulat. acutis.

apiculat. labelli trilobi lob. lateralib. semiovat. fimbriat. lobo mediano subquadrato fimbriolato c. mucrone, carina rhombea longitudinali varie dentata s. fissa ante apicem portione sub callo conico-gibbosa col. curva trigona bicirrhosa.
Flores virides. Labelli callus et fundus aurantiaca. Brasil = cf. Hamb. Gart. Ztg 1857 XIII p. 313.

Gard. Chron. 1878 II. 524.
Comparettia speciosa Rf
Racemo plurifloro (-10) laxifloro, grandifloro, bract. triang. ovaria longe non aequantib. sep. impari ovato acuminato, sep. parib. oblong. acut. naviculari-conat. apice 1-dentat. acut. labello basi utrinq. auri.

culato carina parva interjecta, ungue brevissimo; lamina antica maxima subquadrata antice medio emarginata obtusangula, salientib. elongat. minutissime pilos. columnae rostello elongato, brachiis in ima columnae basi abruptis.

Lippe 3 cm br. 1½ cm lang (?) Sporn 4 cm lang. – Ed. Klaboch.

Gard. Chron. 1878 II. 524.

Comparettia macroplectron

Rchb. f. & Triana

Fol. obl. ligulat. acut. pedunculo paucifloro. Sep. impari obl. acuto, sep. parib. connat. ligulat. obtus. calcari elongato falcato acuminato, Sep. ovat. apiculat. labello basi utrinq. auriculato medio carinato, ungue elongato

533. falcato acuminato; Sep. ovat. apiculat. labello basi utrinq. auriculato in laminam anticam oblongam medio profundissime emarginato bifidam (calcarib. inclusis valde abbreviatis — an ita semper?). Sep. atropurp. guttata Lab. 3.5 cm longam 2.5 cm lat. — Neu Granada. Triana.

Orchidaceae Matsumura

311. Brachycorythis [illegible]
344 Cyrtopera longifolia
415 Liparis platyphylla
432 Habenaria [illegible]
438 " decipiens
528 Liparis [illegible]
forma minor

Gard. Chron. 1878 I. 234.

Masdevallia Tubeana Rchf.

[Saccilabiatae]

Fol. pedalib. petiolat. cuneato-obl. ligulat. acut. dorso carinat. sat mollib. more comm. M. Nycterinae; pedunculo valido ancipiti unifl. (? semper?) sep. semi-oblongo-triangul. longe caudatis intus centro asper. filiformi-papulos. sep. minute ligulat. apice bivalvib. valva altera longiore denticulata altera interne integerrima acuta multo breviore, interstitio papulis mult. aspero; labelli hypochilio rhombeo utrinq. acuto, epichilio transverse semirotundo limbo externo antico et laterali implicito; carinis median. 3 longitudinalib. membranaceo-alat; venis divergentib. 9–11 minute alato-carinat. col. 3gona curva acuminata.

535.

Perigon. extern. purpureo-violac. centro flav. sep. lab. col. alba.

Gard. Chron. 1878, I, 266.

Saccolabium minus Rf.

Fol. lato-ligulat. inaequaliter obtuse bilob. pedunculo longiore apice densifloro secundifloro; sep. sep. q. ligulat. ... labelli lacin. later. semirotund. lacinia mediana triangula acuta valde crassa carinula transversa triloba, calcari cylindrato apice ~~2lobo~~ dilatato obtuso ovarium pedicellat. aequante col. apice valde ampliatas. Perigon. roseo-purp. apicib. viridib. – Ins. Ocean. Veitch. Eine Gruppe zu welcher S. Graeffei Berkholdi & constrictum gehört, leicht erkennbar an den einseitigen (Rodriguezia ähnl.) Blt.-ständen.

Gard. Chron. 1878 I. 332.

Dendrobium (Eudendr.) Amblyornidis

Caulib. semib. firmiuscul. ramos. bipedalib. vagin. arct. minute maculat. fol. pergameneo-papyrac. cuneato-ligulat. acuminat. apice inaequalib. 9 cm long 1.5 m lat. racem. breviss. 1-2 flor. bract. spathac. parvul. ovariis pedicellat. fructifer. ad 3 cm long. sep. impari cuneato-ligulato acuto sep. lat. falcat. acuminat. sep. lin.-lanc. lab. unguiculato oblongo per discum bicarinato col. elongata subtrigona gracili sepala subaequante.

Gard. Chron. 1878 I. 366

Dendrobium d'Albertisii Rchb.

Mento extinctoriiformi breviusculo obscure supra apicem tumido, sep. triangul. acut. lateral. subfalcat. sep. lin.-lanc. acuminat. bis tortis

537.

sepala longe excedentib. labello trifido tot. lac. lateral. obtuse triangul. lacinia mediana elliptica apiculata carin. 3 per discum in discum laciniae anticae, carina breviore abrupta utring. ante carin laciniae mediae venis venulisque lateralibus paullo incrassat. col. apice lobulata.

Aff. Mirbeliano, aracnostachyo & veratrifolio — Flower bright white the twisted pet. emerald green (like antelop. horns upright. New Guinea leg. d'Albertis.

Calochilus Holtzei. *Ferd. v. Müller.*

Rather tall; basal leaf elongated, stem-leaves usually three very much shortened or bract-like; raceme long, with numerous flowers; pedicels soon somewhat longer than the bracts; lower calyx-lobes ovate-lanceolar, the upper one usually broader, verging into a deltoid-roundish form; lateral petals obliquely lanceolar-elliptical, fully as long as the calyx-lobes and with these lightly greenish-brown; labellar petal doubly as long as the others, rhomboid-ovate, undivided, greenish, above densely beset and also ciliolar-fringed with reddish hair-like papillules, but glabrous at the deltoid apex, bearing near the middle of the base two straight vertical dark-bluish plates with prominent dark

strioles between them, but devoid there of glandules and of any protruding cross-line; gynostemium by about one-third shorter than the calyx-lobes; anther somewhat contracted upwards; rostellum semiovate, conspicuous; fruit ellipsoid.

Near Port Darwin; M. Holtze.

Height, to 3 feet. Tuber nearly 1½ inches long. Basal leaf 4–10 inches long, ¼–⅓ inch broad. Flowers to 20 in the raceme. Pedicels ⅓–½ inch long, or at last even longer. Bracts ovate-lanceolar, acuminate, incurved. Calyx-lobes about ¼-inch long. Labellum glabrous at the base. Ripe fruit measuring fully ½ inch in length, slightly broader towards the summit. The first representative of the genus from intra-tropical regions. It comes nearest to *C. paludosus*, but it is a larger plant, has a raceme from 1 to 1½ feet long and a deltoid termination of the labellum, irrespective of the longer pedicels and of the petals equalling in length the calyx-lobes, in which respect this new congener differs also from *C. campester* and *C. Robertsonii*. Nevertheless, the specific limits of these plants have yet further to be traced by field-studies. *C. Robertsonii* extends to the Snowy River (John Cameron), the sources of the Werribee (Miss Champ), Maclaren's Vale (Miss Aldersey), Mt. Lofty (Tepper). *C. campester* occurs also at Port Arthur (Hon. Dr. Dobson), and the Freeman River. *C. paludosus* advances southward to Ulladulla (Baeuerlen). Mr. Holtze's last sending afforded also an opportunity of ascertaining the characteristics of the pollinia in what was lately described as *Eulophia Holtzei*; thus it becomes now clear, that this plant requires to be transferred to the section Apaturia of Pachystoma, the genus being new for Australia. The base of the gynostemium protrudes distinctly across the summit of the ovulary, and for this reason also the plant is better brought under that genus than under Spathoglottis. The short rather thin and almost horizontal rhizome, further the less spreading calyx-lobes and petals, the form of the labellum, as also the much reflected fruit-pedicels, agree all best with Pachystoma—indeed, our plant is in many respects not unlike *P. pubescens*.

February, 1892.

—Extra print from the *Victorian Naturalist*, March, 1892.

539 Gard. Chron. 1878 II. 524.

Pescatorea Russeliana. Rf.

Omnia P. Roezlii excepto labello, col. lat. erect. limbo lobi maximi medii laterib. et antice revolut.; callo baseos et ex lamellis 15 plerisque excepta lamella mediana secta basi angulos extrorsos efficientib. more P. lamellosae. Flor laetior disco labelli et apicib. sepalor. et petalor. rubro-purpur. Col. antice flava, basi purpurea cum zona flava circa fovam purpurea. — Veitch.

Zygop. Russelianum Rf.

Gard. Chron. 1878. II. 588

Masdevallia campyloglossa Rf.

(Coriaceae)

Folio a petiolari basi cuneato obl. ligulato obtuse acuto,

pedunculo 1-fl.; bract. ovata brevi; mento obtusangulo; sepp. renium attenuato-caudat. reniformis conniventib. sepp. ligulat. acut. labello cartilagineo lineari apice inflexo, marginib. revolut. utrinq. ante apicem obtuse angulato, col. clavata; — Sepp. alboviridia lineis punctorum atropurpureorum 9. — Much like M. coriacea. Veitch.

Gard. Chron. 1878 II. 588.
__Maxillaria neophylla Rf.__
Aff. M. pallidae Rf. Folio in pseudobulbo lenticulari anguloso longe petiolato oblongo inaequaliter 2lobo crasso cartilagineo, pedunculo dense vaginato, bract. cucullata ampla floris basin tegente, mento abbreviato, sepp. lanceo-acuminatis

541.

Sep. subaequalib. (2 cm longis) lab. bifido; lacin. laterälib. angulat. mediamis callo 2angule interjecto antice, lacinia media porrecta ligulata acutiuscula; androclinii limbo ciliolato. — Flores pallide citrolenci maculis minut. bruneis innumeris.

N. Granada.

A small botan. Orid. whose merit is not to have a sessile leaf on the bulb but one with a long stalk.

Gard. Chron. 1878 II 654.

Lycaste Wittigii Rchf.

aff. L. tetragonae Ldl. Lab. trifido, lacin. lat. semiovat. acut. lacinia mediana ovata emarginata convexa pilosa, callo depresso emarginato in basi

laciniae anticae; antherae
lob. lateralib. obtusis nec acut.
– Brasilien.
Ähnelt d. L. tetragona auch
in der Farbe zur vollendeten
Täuschung. Riecht nach Quinces.

Gard. Chron. 1878. II. 654.
Maxillaria ovaloglossa Rf.
(Luteo-albae) aff. M. reti-
ferae Ldl. Pseudobulbo ligulato
ancipiti, folio chartaceo
cuneato oblongo; floribus brevi-
~~petiolat.~~ pedunculat. bract.
amplinscula obtusa ovario
pedicellato aequali; mento
angulato valido, sep. impari
ligulato acuto sep. parib. late
ligulat. acut. tep. linearib. acut.
lab. 3fido, lacin. later. obtus-
angulis, lacinia media trian-
gula acuta carnosa crenulata

543.

longe porrecta, callo depresso oblongo ligulato in basi laciniae mediae, disco inter lacinias laterales velutino. Flos flavidus. labelli pallidius striis purp. in laciniis lateralibus. Col. antice purpur. Anthera apiculata — S. Trev. Lawrence

Gard. Chron. 1878, II p. 684.

Coelogyne Massangeana Rf.

Aff. C. asperatae Ldl. Pseudobulbis pyriformi, fol. petiolat. cuneato obl. acut. pedunculo longissimo deflexo laxifloro, parcissime hinc nigro-asperato, bract. cuneato-oblong. obtuse retus. ovaria pedicellata vix dimidio aequantib. ovariis parce nigro muriculat. sep. ligulat. obtus. extus linea media carinatis

sep. lineari-ligulat. obtuse acut.
lab. 3fido concavo, lacin. late-
ralib. semiovat. antice acut.
lacinia media abbreviata.
transverse ovali emarginata
c. apiculo carinis 3 crenulat.
a basi in basin laciniae anticae.
carinul. ibi antepositi. 6 ex
papulis retusis multangulis
dentes molares humanos
aemulantib. col. antice alata
ala retusa circa androclinium.

Gard. Chron. 1878. II. 684.
Acoparia psittacina Rf.
cf. Linnaea. 41 p. 13 .
Racemo 3-5-floro bract. ancipi-
tib. carinat. acuminat. ovaria
pedicellata non aequantib. sep.
sep. q. ligulat. obtusis acutis;
sep. lateralib. deflex. sepalo
dorsali imae columnae basi

adglutinato; lab. cum media columna connata anguste ligulato pandurato retusiusculo, carinis 2 abbreviat. per discum.

Longe recedit ab A. variegata. Sep. tep. q. angustiorib. labelli circumscriptione defectu pulvinaris papulosi in labelli basi. Sep. tep. q. pallide viridia seriebus striarum brunearum s. fasciis bruneis fasciata. Lab. alb. nunc macula purpurea antice. Col. tricolor s. 4-color brunea violacea alba basi nunc viridis.
Ecuador.

Gard. Chron. 1878, II, 716
<u>N Bulbophyll. khasyanum</u> Griff.
Notulae p. 284 =
Pseudobulbo conico monophyllo

a vaginis ligulatis denuum solutis stipato. Fol. valde coriaceo bene petiolato obl.-ligulato obtuso acutiusculo; pedunculo gracili medio ante univaginato, racemo densissimo brevi refracto, bract. triangul. ovaria pedicellata superantib. sep. impari triangulo acuminato trinervi, sep. later. oblong. lat. multo majorib. apice excepto connatis, ibi fissis apice apiculatis; tep. spatulatis apice obtusat. denticulat. cum apiculo, labello carnoso ligulato basi utrinq. minute angulato. carina de angulo usque in discum incurrente, col. brevi, auricula erecta membranacea ligulata retusa cum apiculo utrinq.
= Bulbophyll. Gibsoni Ldl. Mss.

Gard. Chron. 1878 II. 716.
Odontoglossum cristatellum R.
aff. Od. cristato Ldl. sepalis lan-
subhastat. labello brevi ungui-
culato, lamina ligulata lobu-
lata undulata apiculata;
limbo minuto denticulato, callis
subulatis obtuse acutis radi-
antib. in basi, carinis rhom-
beis serratis 2 antepositis.
column. trigona arcuata
supra basin utrinq. angulatis
quadratis minute serratis.
In horto Bulliano apparuit.
Prob. × Od. cristat × triumphans
or epidendroides.

Gard. Chron. 1878, II, 748.
Cypripedium Lawrenceanum R.
Fol. Cyp. Dayani flore C. barbati
sep. angust. porrect. limbo ener-
getice verrucosis ciliat. stami-

nodio neque C. javanici rotundato portice fisso antice forcipato; dentib. externis porrectis, dentib. internis ternis, dente medio validiore, filament. fertilib. aequaliter bidentatis. — Burbidge coll.

Gard. Chron. 1878 II. 810.
<u>Cymbidium affine.</u> Griff.
Notulae III, 3 rectum Lindl. Contrib. Orch. Ind. p. 180.
Fol. linearib. acuminat. coriat. rigid. racemo erecto seu pronis subaequalib. racemo vaginis acuminat. dense vestito apice pluriflora, bract. triangul. obtusat. seps. ligulat. acut. peps. linearib. acut. labello flabellato apice trifido, lacin. lateralib. triangul. antrorsis lacinia mediana cuneata oblonga undulata, carinis 2 ...

medio disco usque ante
basin laciniae mediae, ibi
semiovato-dilatatis; col.
trigona anguste alata apice
inclinata basi c. labello
connata. — Hab. Khasia mountains
Cymbid. micromeron Lindl.
Contrib. p. 184.
Annelli? Martii

Compan. Bot. Mag. II p. 354.

Ocloneria pusilla Lindl.

Folio lin-oblongo. florib. 3-4,
labello ovato-obtuso basi bi-
lamellato sep. p. l. q. lin-lanc.
— St. Catharine's Brazil. Tweedie.
Caulis & folium simul sumpta
vix palmaris.

Comp. Bot. Mag II 354.

Octomeria Loddigesii. Ldl.

Fol. lineari-lanc. subemarginato canaliculato, florib. 4-6, labello membranaceo oblongo-denticulato convexo apice truncato apiculato basi contracto rotundato lamellis carnosis conspicuis. - O. graminifolia Lodd. Bot. Cab. tab. 1891 nec Hooker.

Lip. with a single purple spot in the middle.

- Dominica.

Comp. Bot. Mag. II. 354.

Ornithidium crassifolia Ldl.

Folio lineari-obl. crassissimo plano, florib. 6-9, labello ovat. convexo serrulato acuto basi obscure bilamellato sep. petal. lin.-lanceolatis. – Rio Loddiges, Leaves 3-4" long. Flowers pale yellow. Lip with a very small double purple spot.

Gard. Chron. 1877 I p. 13.

Oncidium elegantissimum Rf.

aff. Onc. Gardneri Lindl.

Sep. dorsali apiculato oblongo; sep. lateral. basi connat. unguiculat. dein alte bifidis oblong. acut. sep. cuneato obovat. extus bilobo emarginatis; labelli auriculis minut. isthmo brevi

laciniae antica dilatata
subreniformi biloba; callo
baseos triangulo, carina antepo-
sita, area limbo incrassata
subcirculari utrinq. in basi
callis anticis lateralibus
disco laevibus limbo papulosis
parvis, columnae alis angustis
subquadratis. Sep. brunea flavo
fasciata. Tep. brun. maculis paucis
flavis Lab. pulchre xanthinum
circa limbum laciniae mediae
pulchre bruneo guttato fasciatum.

Gard. Chron. 1877. I. 72.
Dendrobium liguliferum. Rf.
(Dendrocoryne)
Aff. D. longicolli Ldl. Caule
spithameo terete nitido, basi
opaco-vaginato; folio lineari-
ligulato basi cuneato apice
minute bidentato erecto; vaginae

553.

foliata brevi; florib. paucissi-
mis aggregat. hysteranthiis [...]
mento angulato obtuso ova-
rio pedicellato ±x breviore. [...]
sep. lin-lanceis longe cau-
datis; tep. multo angustiori[...]
labello trifido laciniis; labell[...]
trifido, lacin. postic. semiova[...]
antice serrat. parvis, lacin[...]
mediana lineari acuta porr[...]
sepala dimidia attingente [...]
utrinq. pectinato lacero [...]
antice tantum serrato den-
ticulato. Flores purpurei.
Vidi hrt. Veitch.

Gard. Chron. 1877. I. 72.
Sobralia (Brassolia) Cattley[a]
Fol. oblong. ligulat. acumina[...]
racem. paniculisve laterali[...]
brevib. triangul. parv. florib.
coriac. sep. cuneato-oblong.

acut. sep. subaequalib. obtusiusc.
labello trilobo, lob. later. obtu-
subangul. magnis supra colum-
nam sub angulo acuto volutis
lobo antico lobulato crispo
oblongo emarginato trans-
verso. carinis per medium
1 r. 3 obscuris, antice crista-
tis, cristul. granis lateralib.
minut., papul. muricat.
circumstantib. numeros.
columnae falcib. latis.
N. Granada.
Purplish brown with purple lip.

PRASOPHYLLUM DIXONI.

Comparatively dwarf, leafless at the time of flowering, except a rudimentary leaf close to the spike; tuber roundish, somewhat compressed; flowers in the spike few, very small, closely together, pale yellowish-green, recurved; bracts almost semi-lanceolar, acuminate, somewhat shorter than the calyx-tube; unpaired calyx-lobe ovate-lanceolar, concave, as long as the paired petals and hardly by about one-third shorter than the labellum and paired calyx-lobes, the latter lanceolar, connate near their broadish rather bulging bases; paired petals ovate-lanceolar, finely short-pointed; labellum suddenly short- and broad-stipitate, ovate-cuneate, hardly apiculate, fringeless though imperfectly and faintly ciliolar-denticulated toward the summit and there somewhat red-edged, towards the base slightly two-ridged; lobes of the gynostemium very short, glabrous bifid; fruit obliquely cylindric-ellipsoid.

555.

Near Kardinia-Creek; Ch. French jun. and J. E. Dixon.

As yet only two specimens found, and so far as this material allows to judge not really indentifiable with any described species. According however to figures in Mr. Robt. Fitzgerald's splendid work on "Australian Orchids," the plant just now discovered here as one of our earliest flowering in the season, differs from *P. viride* in the stem being more slender, the paired calyx-lobes less bulging, in the labellum rather truncate than distinctly bilobed at the base, the stipes shorter, also in throughout greenish colour of all floral parts; in this latter respect the new Victorian plant is still more unlike *P. ansatum*, although as regards floral structure it is evidently a near ally; but the apex of the paired calyx-lobes and petals is devoid of a glandule, whilst the labellum is not callously thickened towards the summit, but towards the base, nor is it glandular enlarged at the edge near the middle. Our plant flowers in April and May, so that at such time it may easily elude detection.

May, 1892.

—Extra-print from the *Victorian Naturalist*, June–July, 1892.

Gard. Chron. 1877. I. 107.

Dendrob. (Dendrocoryne) Petri. Rf.

Caulib. nitid. superne exampliat. sulcat. triphyll. Fol. obl. acut. inaequalib. racemo solitario s. racemis 2 erect. pluriflor. Bract. minut. mento obtuso ovarii pedicellati 1/3 1/4 ve partem aequante, sep. ligulat. acut. Pet. obl. acut. longiorib. labello cuneato rhombeo utrinq. obtus angulo.

callo ligulato a basi in discum ibi retuso superne bivalvis utrinq abrupto columna tridentata. Flores albi. Polynesia s. Australia? Veitch. qui locum non indicavit.
Erinnert an ein kleiner D. Farmeri andrerseits an D. Moorei v. Müll.

Gard. Chron. 1877. I. ~~129~~ 172.
~~[illegible]~~ Telipogon Crocus. Rf.
Aff. T. Hausmanniano Rf.
Sep. triangul. acuminato ovalis trinerviis supra nervum medium extus carinatis, sep. cuneato-rhombeis obtusangulis dimidio ~~latiorib.~~ antico bene breviore latis 5-nerviis, nervis omnib. nervillis ascendentib. rete efficientib. nervis lateralib. ramulosis; labello valde transverso flabellato antice rotundato

55 f.

vix apiculato, nervis 13 reflex
nervillorum excepto margin
densissimo, basi velutino, co-
lumna calva. — N-Granad.
Bruchmüller Cardar & Shuttleworth
cf. Linnaea Bd 41. p. 70.

Gard. Chron. 1877. I. 202.
Laelia caloglossa. hyb. ?
Pseudobulbo humili turbinato.
fol. ... ligulato, racemo
2-plurifloro, sep. ligulat. acut.
sep. obl. acut. lobulato-crispul.
labello obl. lato medio trilobo
angul. lateralib. obtus. lobulat.
lobo antico lato obtuso loba-
lato crispulo.

Bastard von einer guten Catt.
labiata mit Laelia crispa
od — wahrscheinlicher — L. Boothiana
Dominy.

Gard. Chron. 1877. I. 240.

Grammatophyllum Roemplerianum Rchb. f.
grandiflorum. Sep. oblongo-ligu-
lat. obtuse acut. sep. ~~praeb~~
multo latiorib. labell. subae-
quilongo propter Phaji tubercu-
losi, lacin. later. angulat. la-
cinia media porrecta ligulata
emarginata, carinis angulat.
magn. 2 in basi media, inter-
jecta carina minore, carin.
angulat. minorib. 3 ante apicem
omnib. lineis amplius in-
crassat. conjunctis. Videtur
hujus generis planta certissime
nova. Moneo me unicum polli-
narium incompletum vidisse.
Madagascar.

Blt. wahrscheinlich weiss, grösser
als bei Gr. Ellisii. sehr fest.

559. Gard. Chron. 1877. I. 272.

Masdevallia Vespertilio. Rchb. f.

(Saccilabiatae). Uniflora. flore s. floribus succedan. hysteranthemicis) Sep. obl.-triangul. intus hispid. in caudas longiores attenuat. Sep. subunivalvib. papillis ... in valva unica ascendentib. valva altera prope obliterata interna, lab. pandurat. hypochilio angusto utrinq. obtusangulo, carina antrorsum angulata in disco; epichilio transverso latissimo obl. utrinq. involuto laevi; col. apice lacero rostrata. Pedunc. purpurat. Sep. cum caudis flavida, purp. maculata. Tep. ejusd. coloris. Lab. albid. Col. alba. N. Granada.

Gard. Chron. 1877. I. 334.
Dendrob. arcuatostachyum Rchf.
Aff. D. Mirbeliano. Racemo plurifloro grandifloro, mento extinctoriiformi acuto recto, sep. summo lin.-lanceo, sep. lat. basilationib. ceterum aequalib. sep. lineanib. acut. longiorib. labello trifido lac. later. ante medium abruptis obtusangul. lacin. media lancea, carinis 3 a basi ad basin laciniae mediae col. apice utrinq. obtusa, apiculo dorsali mediano.
Blt: pallid yellow?

Gard. Chron. 1877. I. 367.
Cypripedium Boxalli Rchf.
juxta C. villosum Lodl. Caule obscure marmorata, pilis pellucid. nigro~~...~~ ciliatis; bractea ampla lata sepali summi 1/4.

inferiorem tegente sepalo utroque bene obtuso, utroque basi latiusculo, sep. basi vix cuneatis, cornubus labelli lateralib. abbreviat. staminodio basi angusto.

Gard. Chron. 1877. I. 653.
<u>Masdevallia lata Rf.</u>
(Aff. M. atropurpureae Rf.)
Fol. cuneato-obl. ligulat. aeq. pedunc. oligantho (1-2) mento angulato labro brevi inferna ante menti angulum deinceps angulato, sepalo impari pro parte libra brevi angusta triangulo in caudam longam extenso; sep. inferiorib. extus semirotundo expansio longe caudat. caudis omnib. perigonium non caudale bene superantib. (prope bis longiorib.)

sep. a cuneata basi [illegible] sat. apice bidentat. medio [illegible] unilamellatis; labelli lamina ligulata antice utrinq. angulata angulis in laminam anticam renioblongam denticulatam descendentib. superficie disci superioris denticulata, col. apice trifida, lac. laterl. ob tusis, lacinia mediana acuta. Flowers dark reddish brown with ochre coloured yellow tails.

Gard. Chron. 1877. I. 684.
Masdevallia radiosa Rf.
(Saccilabiatae) Fol. cuneato-obl.-ligulat. acut. pedunculos excedentib. 1mo 3 floris. pluriflori hysteranthoniis, bract. [illegible] acuta ovario pedicellato brevior perigonio cupulato abbreviat sep. superiore breviore, [illegible]

563.

triangul. omnib. in caudas
semet ipsas longiores exeuntib.;
sepal. ipsis apices versus
barbellato-asperis, ceterum
dense verrucoso-asperis; sep.
ligulat. utrinq. angulat.
apice peltato-patellat. callo
oblongo in disco muriculato
labelli hypochilio utrinq.
angulato inter ~~in discum~~
~~sulcato~~ profunde sulcato,
epichilio subhemisphaerico,
limbis implicitis, lamellis
radiosis radiantib. ad ~~[illegible]~~ 11;
~~col.~~ apice denticulata curva,
N. Granada. Wallis.

Gard. Chron. 1877. I. 684.
<u>Zygopetal. Clayi Rf.</u>
= Zygop. maxillare × crinitum.
Habitu Z. crinito bract. minorib.
sep. intus brunneis non maculat.

labelli auricul. parvulis, callo
glaberrimo lamina cuneato-
oblonga glaberrima purp. coca
ta non striata! omnino calva.

Gard. Chron. 1877. I. 749.
Dendrob. (Pedilonum) Stricklandianum Rchb.f.
Caule calamum corvinum crasso
fol. oblong. apiculat. racem. 3-4 flor.
bract. triang. minut. mento
obtuso retuso didymo, sep. ligu-
lato-triang. acuminat. sep.
lineari-ligulat. acuminat. labello
obl.-ligulato obtuso acuto utrinq.
medio obtusangulo disco an-
tico punctulato furfuraceo
col. apice tridentata anthera
conica sicale extensa.
Ex Japonia ipsissima introd.
Sir Strickland.
Gelblich weiss mit 2 purp. Flecken
auf d. Lippe

565. Gard. Chron. 1877. I. 750.

<u>Dendrob. (Eudendr.) praecinctum Rf.</u>

Caulib. tereti-arcuat. sulcat. Fol. cuneato-ligulat. angust. apice bidentat. Peduncl. apice 2floro, parce vaginato mento obtusangulo dorso gibbo bene evoluto, sep. ligulat. obtuse acut. sep. rhombeis obtus. labello cuneato dilatato trifido; lacin. lateral. lineari-ligulat. ~~acut.~~ obtusis; lacinia media ligulata producta omnib. ciliat. carin. 3 angulat. per discum, lacinia antica filis cristulisque velutina, col. basi triangula triangulo-excavata. Caulis obscure viridi-violacei. Vaginae emaciata albo-cinereae. Bract. pedunculique rufo-maculatqi. Flores albido-vitellini sep. lep. g. atropurpur.

marginalis Lab. flav. antice aurantiacum. Col. sulphurea infra aurantiaca. C. V. Devoni ano imp Veitch.

Gard. Chron. 1877. I. 750.
Thrixspermum Freemanni. Rchf.
Humilis radicibus ancipitib. densissime minuteq. verrucos. Fol. ligulat. apice inaequaliter ~~bilob.~~ bidentat. racem. plen. flor. scopariis, bract. semicont. natione ovariorum magnit. sep. lanceo lineari caudat. sep. brevioribus; lab. unguiculato ventricoso, callo solido hemisphaerico, lacin. lat. semifalcat. laciniae mediam triangula transversa minute callis saccharat. subglobos. pedicellat. ante basin. Flores sulphurei brunneo maculati

567.

Labellum medio album, laciniae later. sulphureae bruneo fasciatae. — Assam. Bull.

Sarcochilus Freemanni

Gard. Chron. 1877. I. 781.

<u>Gongora grossa.</u> Rf.

Omnino G. atropurpureae Hook. Sep. lat. late triangul. hypochilii cornub. longiorib. valid. teretib. obtus. mesochilii cornub. aristat. intus supeme unidentatis, interjecto callo subulato acuminato, epichilio ancipite triangulo acuminato. — Ecuador.

It is distinguished by having the anterior horns bristles outside a tooth inside & a small teretiusculous acuminate body between the horns, the mass of the lip is stouter & sepals much

broader. Whitish with blackish spots.

Gard. Chron. 1877 II. 810.
Ponera Kienastii. Rf.
Rhizomate repente, pseudobulb. ligulat. monophyll. Fol. lineari-ligulat. s. ligulat. carnos. crass. pedunculo capillari racemoso brevi. triang. brevib. mento bene evoluto; sep. ligulat. acut. sep. linearib. labello basi adnato ventricoso oblongo obtuso basi callo lineari transverso medio incrassato. Parviflora viridula. – In Mexico 20 mil. ab urbe Det. Kienast.

Gard. Chron. 1877. I. 810.
Restrepia prorepens. Rf.
(Prorepentes) Rhizomate repente basi caulifero, caulib. brevissi…

569.
monophyll. a vagina ampla
apice acuta vestitur, fol.
crassos. linear. apice emargi-
nato bilob. c. apiculo, pedun-
culo capillari longe exserto
distanter 2-3. vaginato, bract.
cucullata acuta triangula
ovario pedicellato subaequali
sep. summo lin. obtusiusculo
sep. later. connat. basi amplo-
navicularib. antrorsum atte-
nuat. bidentat. (raro bifid.)
pet. multo angustiorib.
breviorib. linearib. labello
pandurato ante basin utrinq.
minute angulato carina
instiliente utrinq. col. trigona
crassa curva utroque angulo
antico emarginata.
Costa Rica. Endres.

Gard. Chron. 1877 I. 684.

Gongora Charontis Rf.*

Pseudobulb. rotundato-conic. fol. ampl. petiolat. obl. acut. racemo plurifloro, bract. triangulo setac. ovaria pedicellata longe non aequantib. sep. oblong. triangulo-acuminat. basi sessilib. sep. impari cuneato-oblongo acuto basi columnae adnato, tep. triangul. oblique acuminat. trinerviis minutissimis, labello unguiculato hypochilii labiis semioblongis antice setiferis mesochilio ancipite rhombeo utrinq. apice unidentato epichilio naviculari acuto, omnib. partib. confluentib.; col. clavata.

Ab affini G. scaphephoro Rf. recedit hypochilii labiis antice longe aristatis. Valde parviflora. N-Granada Wallis, Shuttleworth.

* Cf. Linnaea Bd 41. p. 110.

571.

Gard. Chron. 1877 II. 38

Cypriped. albo-purpureum

(Dominiani × Schlimii)

Aff. utrique. Sep. summo oblongo acuto, sep. inferiore subaequali labellum paulisper superante. Sep. lin. tortis margine laxius dorso furfuraceis, labelli sacco oblongo ostio antice retuso lob. lateral. inflexis rotundat. implicitis; staminodio transverso postice emarginato antice tridentato laterib. ciliato.

Flores albi purpureo aspersi.

(Selenip. albo-purp.)

Gard. Chron. 1878. II. 38.

Masdevallia Lehmanni Rf.

(Amandae) Aff. M. tridenti Rf. Foliis longe petiolat. cuneato-obl. acut. linearis; pedunculo ... racemoso, bract. semiovat. obtus.

acut. cucullat. ovariis subaequalib. ovariis crispo-tripteris; sep. summo obl. sep. lat. obl.-ligulat. cuneatb. in caudas aequilongas extens. margine inferiore asperso ciliolato mucriculat. tep. obl. acut. lateribus serrulat. lab. ligulato ante apicem constricto obtuse acuto, col. clavata acuta. Flores flavi semipollicares. — Ecuador. F. C. Lehmann.

Gard. Chron. 1878. II. 72.

Cattleya Wilsoniana. Rf.

Caule gracillimo elato, foliis obl.-ligulatis acut. geminis; spatha — pedunculo 1-floro (plurifloro?) sep. obl. acut. tep. multo latiorib. cuneato-obl. acut. labello trifido, lacin. lateral. triangul. lacinia mediana cuneata obovata. = (Ep. Wilsonianum Rf.)

573. Blt. so gross wie bei C. bicolor Sep. u. Pet. licht purpurrot, Lippe weiss mit gelb. Fleck u. purp. Mittellappen. Säule weiss.

Gard. Chron. 1877. II. 134.
Coelogyne Mayeriana. Rchb. f.
Aff. C. panduratae sed subduplo minor. Pseudobulb. depresso-pyriformib. ancipitib. 2phyll. fol. petiolat. obl. acut. Stanhopearum; pedunc. erect. racemos. pluriflor. bract. scarios. ligulat. acut. ovaria pedicellata semiaequantib. haud conspicuis; sep. ligulat. acut. sepp. angustiorib. labello trifido. lacin. lateralib. basi semicordat. semioblong. antice obtusangul. lacinia media ob isthmo brevissimo subnullo hastato semiovali, toto limbo

crispulo, carinis plicat. 3 a basi in basin laciniae anticae; lu-berculis ex lamellis crispulis ibi 2, venis radiantib. omnib. atratis incrassat. col. apicem versus ampliata basi utrinq. angulata.
Blüte wie bei C. pandurata.

Gard. Chron. 1877. II. 358.
Epidendrum Corianum. Rf.
(Osmophytum)
Labello apiculato, pseudobulbo fusiformi 1-2-phyllo; fol. ligulat. coriaceis; panicula diffusa rhachi compressa viridi bract. scarios. triangul. ovarii pedicellati 1/3 aequantib. sep. lanceis cuspidat. tep. angustis, labello omnino adnato cum basi apice cum apiculo; ca-rin 3 in basi, extant. ...

575.

obtusangulo elevatis, antico-
lineis lobulato. — Sep. tep. q.
brunneo-flava. labellum
pallide flavum.

Gard. Chron. 1877 II, 424.

Laelia Sedeni Rf. n. hybr.

Habitu, caule foliis L. Devoni-
ensis, inflorescentia pluriflora
sep. ligulat. acuminat. tep.
oblong. acut. lab. 3fido, lobis
lat. antrorsi. triangul. lacinia
media cuneato- obl. emar-
ginata denticulata crispa
col. clavata trigona abbre-
viata.

Cattl. violacea (superba) × L. devo-
niensis

Gard. Chron. 1877, II, 436.

Pescatorea Backhousiana. Rf.

(Aspasilinguer) Sep. obl. obtuse
acut. lateralib. a basi aequaliter

apicem versus angustatis; sepalo
summo et sep. apice angulato,
lab. energetice trilobo, lob. lat.
erect. obtusangul. lobo antico
transverse bilobulo, lateralibus
reflexo convexo; callo hippo-
crepico ex lamellis undulatis [illegible]
19, disco antepposito papulis
apice verruciferis multis seri-
atis [illegible] angulo exsiliente
in basi labelli nullo.
Zygopet. [illegible].
Whitish or cream coloured
with purplish; callus yellow.

Gard. Chron. 1877. II. 456.
Cypripedium [illegible] Rchb.f.
C. barbatum ♂ × Hookerae ♀
Fol. tessellat. pedunculo bene
villoso longe exserto, bractea
ovario villoso multo breviore
sep. superiore semiovato triangulo

577.

sepalo inferiore angusto triangulo; Sep. ligulat obtuse acut. vix apice dilatat. labelli re retuso, cornubus utrinq. parval. vix prominul. stamino'dio transverso semilunari utrinq. antice semilunato forcipato, apiculo in sinu.

Gard. Chron. 1877. II. 488.
<u>Catasetum pharma. Rf.</u>
Aff. C. Gnomo. Labelli lob. lat semiovat. erect. minutissime & densissime serrulat. lobo antico minute triangulo calcari conico ovarii ~~Crapsidosa~~ pedicellati 1/3 aequante callo obtusangulo utrinq. intus in pariete superiore sub limbo lobi lateralis.
Sep & Pet. dunkelgrün mit purpbraunen Flecken Lippe weiss

Gard. Chron. 1877. II. 521.

Cypriped. lucidum. Rf.

C. villosum × Lowii.

Fol. ligulat. acut. valde coriaceis rigidis, ped–? bract.–? ovario trigono villoso; sep. inferiore optime connato angusto ligulato extus villoso; sep. lanceolato-ligulat. obtuse acut. limbo minute ciliat. valde vernixiis, labello antice retuso, cornub. retrorsis bene evolut. lamella utrinq. in sinu inter cornua & unguem; staminodio triangulo dorso carinato, antice ~~qui~~ 5-lobo lobo medio dentiformi.

Gard. Chron. 1877. II. 552.

Masdevallia xanthodactylon. Rf.

(Aff. M. melanopodo Rf.) Pedunc. elongato, racemo pauciflore distantiflore secundiflore. Bract.

579.

scarios. triangul. uninerviis ovaria pedicellata longe non aequantib. ovario brevi triptero alis crenulat. retus. tubo brevi superne curvato obtusangulo carinato, ~~pa~~ ponementum parvum infra constricto; caudis latiuscul. tubo subaequalib.; sep. ligulat. antice dilatat. serrat. apice subretuso emarginat. seu si mavis angulato excisis cum apiculo; basi ima inferne umbonat. carina membranacea serrulata insiliente; lab. trifido lacin. lateralib. obtusangul. lacinia media lineari obtuse 1-nervia ceterum ecallosa; col. apicem versus trilobulo marginata.

Blt. grün ~~ins~~ weiss mit gelb. schwänzen Lipp & Säule braun violett marmoriert.

Gard. Chron. 1877. II. 552.

Catasetum macroglossum Rchb. f.

Aff. C. serrato & planiceps.

Racemo paucifloro, sep. pet. q. latiorib. oblongo-ligulat. acut. labello saccato angulato excavato antice trifido, lacinia media ligulata parva; lac. lateral. semiobloag. abl. minute serrulat. tumore transverso semicirculari antice ante laciniam mediam & in lacinias laterales excurrente, col. bicirrhosa.

Sehr variabel in Farbe.

Gard. Chron. 1877. II. 584.

Cattleya picturata Rchb. f. n. hybr.

C. guttata × intermedia.

Pseudobulbo teretiusculo tenui diphyllo, racemo elongato cylindraceo multifloro; sep. ligulat. acut. lateral. curvat. sep. ...

581.

oblong. obtusiuscul. & incurv. labello trifido, lacin. lateralib. acutangul. antrors. lacinia media cuneato-~~oblonga~~ dilatata biloba denticulata, carinis 5-7 per discum, externis serrat. gibberibus parvis mult. in disco laciniae anticae.

Gard. Chron. 1877, II, 648.
Masdevallia Triglochin Rf.
(Triaristellae) dense caespitosa fol. cuneato-spathulat. obtus. acutinscul. (microscopice 2dentat. apiculo mediano prope obliterato) crassis, pedunculo folia haud multo superante 1-floro primum florib. pauc. hysterochronicis sequentib. perigonii labio superiore triangulo in caudam sub-aequilongam exeunte; labio inferiore cum mento magno

abrupto naviculari obtuse ovato, cauda utrinq. abbreviata divergente; sep. ligulat. apice retuso-serratis c. apiculo mediano; lab. lineari pandurato postice sagittato; apice deorsum inflexo; col. trigona gracili androclinii cucullo denticulato.
Ecuador. F. C. Lehm.
Bl. 1½" lang. Blt. rot mit gelb. Schwänzen Lippe gelb mit rot. Flecken.

Gard. Chron. 1877. II. 102.
Eria Dayana. Rf.
Aff. E. ricariae Ldl. Pseudobulb. ovoid. triphyll. Fol. lin-lanc. lorat. valde coriac. racemo laxifloro tomentoso; bract. scariosa lin-lanc. acud. ovaria pedicellata inferiora subaequantib. ovariis pedicellat. tomentos. sepal. ...

583.

triangul. extus tomentosis sep. angustioribus calv. lab. trilobo ~~latis~~ lob. lateral. oblong. angust. lobo antico ab isthmo brevi dilatato oblongo emarginato, callo ligulato per lineam longitudinalem ante apicem utrinque curve retrorso.

Bet kleiner als bei Eria flava.

Gard. Chron. 1877. II. 392.

Spathoglottis Petri. Rf.

Fol. lat. plicat. lanceolat. ped. elongato distanter vaginato, apice summo minute subvelutino ceterum calvo, racemo densifloro corymboso, florib. nonnull. synanthiis; bract. ovat. apiculat. excavat. calv. deciduis ovariis pedicellat. multo longiorib. velutinis;

sep. ligulat. acut. pet. elliptic. acut. multo latiorib.; lab. trifido lacin. later. ligulat. obtus. lacin. antica cuneata transverso dilatata in laminam brevissimam latam ligulato-trilobam laterib. astus obtusis medio antice cuntam; callo inter lacinias laterales rhombeo triradiato, lineis villosis longitudinalib. latiuscul. 2 villis ante callum pauc. post callum ante columnae pedem abruptum biseriatis vel arcuata. — Flores laete lilacini. Labell. purpureum. disco albid. callo ochroleuco macul. purpur. parvul. appositis. — Ex ins. australasicis misit Petrus Veitch.

Gard. Chron. 1877. II. 392.

<u>Phalaenopsis Stobartiana Rf.</u>

Radicib. fol. & inflorescentia

ignot. (racemi parte?) plurifloro,
sep. Pet. q. cuneato-obl. acut.
labell. tripartito, partitionib.
lateralib. ligulat. recurvivent.
callo utring. ante basin;
cristula in disco antico; laci-
nia media obovata medio
carinata; callo obcordato
& callo anteposito bicuspi-
dato inter partitiones late-
rales.

In the way of P. amethystina
Sep & Pet. of apple green col.
ultimately yellow green.
Lip white with yellow, middle
lobe totally amethyst colour.
Die Amethyst farbe ändert in
Kupferrot. Basis der weissen Säule
amethystfarbig.

Gard. Chron. 1876. I. 8.

Masdevallia ~~[illegible]~~ gibberosa. Rchb. f.

Folio a petiolari basi tenuissime cuneato oblongo ligul. costo; pedunculo distanter vaginato apice racemoso bracteato, ceterum verruc. racem. q. innumeris elegantissime obvito; pedicell. verrucos. bracteis propre 2plo superantib. perigonio ~~obtuso~~ externo ima basi tantum connato, sepalo summo galeato triangulo cordato extenso; sep. inferiorib. ad dimidium fere connat. (ibi abrupte caudalis) secundis basi tortis; ~~tabellis lineari stricturis 2~~ sep. rhombeis obtuse apiculat. sotium. lab. lineari stricturi 2 quasi trisecto; hypochilio integro utrinq. angulato angusto; mesochilio minute serrato, lamella quadrata dorso serrata oblique utrinq. epichilio minuto serrato; col. utrinq. quadrata obtusangula alata. — [illegible]

589.

~~purpurea~~ brunnea caudae latere flavo virides. Sep. flavorubra. Labell. albid. Col. pulchra pur[illegible] Flor. comparabiles illis Pleuroth[illegible] tirenis. Glossopogonis ꝑ prope 1" longi. — N. Granada, Wallis.

Gard. Chron. 1876. I. 170.

<u>Odontoglossum Humeanum.</u> ♃

Nov. Hybr. Od. cordatum! × Rossii. Pedunc. brevissimo bifloro, Sep. triangulo-acuminat. dorso carinat. Sep. breve cuneat. obl. acuminat. crispul. labelli callo baseos bilobo, lob. semirotund. in partem integram semicylindricam dorso carinat. antice divergenti-bilobam excurrente; lamina cordato ovata acuta lobulata, crenula[illegible] Col. trigona superne amplia[illegible] — Sep. flavida intus pulcherri[illegible]

castaneo-fasciata. Tep. albido-flavida basi macul. nonn. (3) brunneis. Callus luteus fasciis rub. lamina alba. Col. viridula.
Flores ex cordat. lip. et basi alis Rossii.

Gard. Chron. 1876. I. 170.
Masdevallia Barlaeana. Rchb.f.
Aff. M. amabili; floris tubo arctiore, medio subito infundibul. in caudam multo longiorem extenso; sep. lateralib. multo majorib. extus semiovato triangul. inter se linea propre recta connexis (nec utroq. sep. parvulo angulis triangulo ut in M. amabili) lab. ligulat. emarginato 2 lobis c. apiculo minuto interjecto, intus longitudinaliter oblique carinat. angulo exsiliente in basi; lab. subcordato ligul.

piloso, squamae antrorsum ... ovata elato. Fol. spathulata apice acuta. Tuber floris ... aurantiacus ... Sep. intus cinnabarin ... — Peru. Devis. imp Veitch.

Gard. Chron. 1876. I. 234.

Eria coronaria. Rf.

Pseudobulb. teretib. diphyll. fol. cuneato-obl. acut. chartac. racemo basi squamato paucifloro; bract. triangul. ovariis pedicellat. multo brevioribus. flor. conspicuis glaberrimis. mento bene angul... sep. summo obl.-ligulato acuto. sep. lat. triangul. supra lineam mediam apicem versus incrassat. lap. cuneato-obl. acut. labelli basi subcordato trifido ambitu angusto oblongo, lac. lat. semioblong. apic... ... ; lacinia media obl...

[illegible] obtusa, carinis vers. lat. impress. crispul. 2 a basi in basin laciniae anticae, carinis in lacinia antica 7 lobulosis angust. flexuosis.

Coelogyne coronaria Lindl. B. Reg. XXIV. Misc. 178. Cris mais. cf. Walp. Anal. VI. 271.

Gard. Chron. 1876. I. 298.

Dendrob. endocharis n. hybr.

D. heterocarp. × moniliforme.

[illegible] D. heterocarpi. [illegible] 2floro, sep. summo ligulato acuto, sep. lat. ligulat. acut. in mentum obtusum postice gibberosum descendentib. sep. obl. acuminat. labello a cuneata basi dilatato 3fido, lacin. lat. extrors. crispul. [illegible] brevib. ante basin, toto disco pare pilosulo. col. media antice [illegible]. — Flos [illegible] [illegible]

591.

labelli postica virides. Mediano purpurea ante lineam pilosam basilarem. Striolae purpureae numerosae in regione basilari. Col. antice flavescens striis purpureis.

Gard. Chron. 1876. I. 394.

Oncidium metallicum. Rf.

Cyrtochila labello elongato. Pleurilabium, sep. summo brevius unguiculato cordato elliptico crispulo, lateral. longius unguiculat. cuneato oblong. acut. sep. brevissime unguiculat. superne auriculat. hastato-triangul. crispul. labello pandurato portione superiore utrinq. triangula (hinc rhombea) medio constricto dein hastato oblongo obtuso; col. recurva auriculis 2-4 fi-

papulosis - M. Grancia bolivi.
Täbit ater ? Zo tennamun-
? Weltoni ~~Mixtion~~ Odontogl. Weltoni

Gard. Chron. 1876. I. 460.
Oncidium Lansbergii. Rf.
(Fusegilab. - Leochilus)
Pseudobulbo elliptico compresso rugoso monophyllo; folio carnoso cordato oblongo obtuso cartilagineo linea media superne paulo elevata; folio supposito repente subaequali racemo porrecto tenui 3-4 flor. sep. summo sep. q. oblong. sep. inferiore ad medium bifido, lacin. ovat. acut. lab. ligulato apice bilobo augusto, callo tumido velutino in basi, columnae rostello producto, angulo medio prosiliente utrinq.
Venezuela Lansberg.

593.

Gard. Chron. 1876 I. 461.

Cypriped. stenophyllum n-hybr.

C. Schlimii × Pearcei.

Fol. lorat. lin. ligulat. acut. longiss. racemo.... bract.... ovario bene velutino; sep. dors. i obl. acuto, inferiore elliptic. lato excavato, sep. a basi subcordata obl. acut. ..... lab. obl. saccato, laterib. in plicat. later, staminodio transverso apice medio .... sinuato c. apiculo, postice cordato, laterib. pallide barbat.

Gard. Chron. 1876. I. 622.

Cypriped. pycnopterum n-hyb. ....

Fol. rigid. lin. ligulat. acut. apice microscopice serrat. pedun. breviter dense villoso bifloso; bract. complicat. triangulir dorso carinat. ciliat. laterib.

ciliat. ovario velutino vix dimidio aequalib. sepalo super. elliptico apiculato transverso ciliato dorso pilosulo, sepalo inferiore subaequali longiore, angustiore apice cucullato egregie bicarinata, sep. lig. apicem versus dilatat. apice acut. semel tort. ciliat. sepala bene excedentib. craciate divaricat.; sacco utrinq. ante medio emarginato, carinula dentata utrinq. in ~~rim~~ sinus inter saccum et inequens staminodio cuneato dilatato apice forcipato c. denticulo interjecto setinervi in disco

Gard. Chron. 1876. I. 688.
Epidendrum marmoratum Rchb. fil.
Osmophytum. Rhizomate scandente radicib. adventitiis ...

filiformib. pseudobulb. fusiform
vulgo diphyll. fol. obl. oblanc
acut. pedunculo basi ensiformi
supra teretiusculo nutante!
bract. scarios. lanceo-acumina
ovariorum pedicellator. 1/3 aequant
sep. cuneato-obl. acut. lateral.
extus carinat. sep. minorib.
ecarinat. labell. subquadrato
obtusangulo convexo apice
emarginato utrinq. lobato, call.
angulat. 2 in ima basi, carin.
obtus. lat. ad 11 a basi in medium
col. crassa utrinq. 1-dentata.
— Flores albo-crystallini macul
striisq. rufo-purpur. picti.
In Mexico occidentali.

Gard. Chron. 1876. I. 720.
Masdevallia Klaboiorum. Rf.
(Caudatae) aff. M. caudatae Ldl.
& Shuttleworthii Rf. Caespitosa

foliorum petiolis nigrisis laminas oblongas obtusas superantib. pedunc. 1-flor. sep. patul. obl. summo sepalo latiore 5-nervi, sep. lat. trinerviis. omnib. superficie interna ac limbo papuloso asperatis caudis abrupt. sub aequalib. tep. ligulat. apice minute tridentat. lamina inflexa invidente in margine, lab. cuneato-oblongo subretuso basi nervorum 3 minutissime ~~tricellato~~ tricellato; col. apice inaequaliter tridentata, Sepalorum laminae extus nigrae intus albae. Caudae, tep., lab. columna flava.

Gard. Chron. 1876. I. 756.
Dendrob. devonian. Elliotianum ℞.
Florib. texturae validae; tep. pulchre ciliato-denticulat. sep. tep-q. apice

597.
obscure purpur. sep. obscure purpureo-venosis; labello antice purpureo, basi purp.-tristriato.

Gard. Chron. 1876. I. 756.
Bollea coelestis. Rf.
Sep. obl. acut. pet. latiorib. breviorib. labello breviter unguiculato angustiori ligulato basi utrinq. angulato, callo elongato laminam inferiorem sistente ~~labello~~ limbo replicato prope tegente in discum laminae anticae (siv. epichilii) excurrente in laminas circit. 13, apice papulis circit 9 abruptis, epichilio rotundato replicato infra retuso; col. cucullata sursum utrinq. obtusangula in fronte bene pilosa.
— Zygopet. coeleste Rf —
~~Flores~~ Sep. & pet. basi coerulea dein indigoferi apicib. alb. lab. & col. flavida antice violacea.

Gard. Chron 1876. I. 816.

Trichopilia Backhousiana. Rf.

Pseudobulbo lato ligulato ancipite, folio obl. acuto (nebuloso) basi bene cuneato complicato, racemo paucifloro carnosifloro sep. tep. q. sublatioribus ligulat. acut. lab. cuneato antice trilobo, lobo medio retusiusculo plica 1 obliqua utring. in fundo; col. crassa androclinii membrana aequaliter fimbriata integra; fovea oblique anteposita. N. Granada.

Gard. Chron. 1876. I. 817.

Masdevallia psittacina Rf.

Sacci labiatae – Chimaerae: Pedunculo antheri unifloro, ovario pedicellato bracteam duplo superante, perigonio subcarnoso, sep. in cupulam

amplam brevem coalitis sepalo summo basi late triangulo in caudam parte libera pluries longiorem extenso, sep. later. latiorib. inter se linea suberecta cum sinu minuto coalitis, in caudas bene longiores extensis, omnib. intus densissime aculeopapulosis; sep. ligulat. apice dilatato obtuse dipteris cum papulis mult. interjectis, labello a basi oblonga subito dilatato carinis in parte inferiore 3 in unam excurrentib. carinulis labelli anterioris ad marginem membrana semielliptica auctis. col. trigona apice aucta. — Flores virides vel albidi, guttis mult. atropurp. caudae atropurp. apice virides. — Kränzlinsieint. N. Granada

Gard. Chron. 1876. II. 36.

Cypriped. Swanianum. Rf. sgl.

Cypr. Dayan. x barbatum.
Fol. latoligulat. acut. pulcherrime tessellat. peduncul. 1-flor. dense pilosul. bract. brevissima ancipiti triangula ovario bene breviore; sep. dorsali ovali triangulo tranoverse maximo; sep. inferiore ovali obtuse acuto minuto labium non aequante; sep. ligulat. acut. retrorse cilii. supra marginem superiorem vesicularem rarissime verrucosis; labelli laciniis inflex. pulcherrime verrucosis obtuso. limbo libero superne retuso utrinq. in angulum excurrente, staminodio tranoverso antice retuso c. apiculo in medio.

631.

Gard. Chron. 1876. II. 68.

Cattleya felix n. hybr. Rf.

Pseudobulbo compresso ligulato bene sulcato; pedunculo (semper!) 1floro. Sep. ligulat. acut. tep. oblong. apiculat. crispul. labello trifido, lacin. lateral. obtusangul. parce crispis, lacinia media semioblonga obtuse porrecta crispula. Planta parva, flores magni rosei, lacinia labelli pulcherrime purpurea

Catt. Schilleriana × Laelia crispa

Veitch.

Gard. Chron. 1876. II. 100.

Trichocentrum ionophthalmum n.

Aff. T. albo-purpureo Linden & Rf. Sepalo summo & tep. unguiculat. obtus. sep. lat. laxis extrorsum curv. obtusiuscul. labelli ungue semilibero lamina pandurata,

apice emarginata; carinis 2 a basi unguis in basin laciniae mediae obtuse tridentat. columnae alis linearilanc. rectis. Folia obl.-lanceol. acuta multo latiora & breviora quam in specie competenta. flores subaequimagni, sep. brunea sep. e. sepalo superiore apice flava bruneo-maculata; lab. alb. oculo violaceo maximo in utroq. angulo basilari.
Amazonenstromgebiet.

Gard. Chron. 1876. II. 130.
Cypriped. marmorophyllum Rf.
C. barbat. × Hookerae.
Foliis C. Hookerae pedunculo elato ejusdem, sep. summo transverso ellipstico acuto, labelli dimidium aequante; sep. ligulat. apiculat. limbo superiore paucis verrucosis toto margine setosis; labelli

unguic

...pero verrucoso, sacco utrinq.
angulato; staminodio oblongo
postice emarginato antice sinu-
ato bifido, lacin. lateral. intror-
sum acut. (forcipat.) apiculo
minuto in fundo sinus.
Folia glauca & atroviridia
tessellata peduncul. atropurp.
bractea & ovarium viridia
sepal. dors. disco viridulum; limb.
purpureo lavat. nervis virid.
sep. inferius extus viridulum
intus albidulum nervis virid.
sep. violaceo-purp. portione
oblonga basin inferiorem vers.
alba viridi-nervosa, labellum
purpureo-brunneum dorso
viride, staminod. citraceum
viridi-reticulatum.
~~Sem~~ Von Seden bei Veitch gezücht.

Gard. Chron. 1876. II. 196.

Maxillaria speciosa Rf.

Pedunculo unifloro, vaginis elongat. appress. bractea ovarium paulum superante, mento obtuso modico, sep. triangul. lineari-caudat. acuminat. pet. paulo angustiorib. & brevioribus. labello medio trifido; lacin. later. ... ... lacinia antica carnosa margine membranaceo crenulata, callo ligulato obtuso a basi in discum inter lacinias laterales, androclinii margine denticulato, tabulo sub fovea longitudinaliter tricarinata. — Flores flavi (albidi?) macul. numeros. atropurp. — New Granada

Klaboch. Blt grösser & schöner als bei M. longissima, welche braun blüht.

Gard. Chron. 1876. II. 226.

Masdevallia triaristella Rf.

Sect. nov. Triaristellae

[Sep. inferius omnino connatum utrinq. ante apicem arista (cauda) divaricata".]

Dense caespitosa, fol. teretiuscul. canaliculat. apiculat. pedunculo longo, exserto 1-2floro, minutissime verrucoso, vaginis distantib. parvis; sepalorum labiis parvissime basi cohaerentib. sep. superiore triangulo bene aristato, sep. inferiore oblongo ligulato apice acutiusculo utrinq. ante apicem extus divaricato aristato; tep. ligulat. retuso-tridentat. lab. ligulato sagittato basi utrinq. inflexo, apice utrinq. deflexo; col. clavata androclinio [illegible]ulato. Perigon. flavo & fusco; tep. albida. — Costa Rica. Endres.

Gard. Chron. 1876. II. 386.

Cattleya Mitchelli. n. hybr. Rf.
(C. labiata quadricol.♂ × guttata♀)
Pseudobulbo lineari - tereticusculo diphyllo, fol. obl. ligulat. apiculato ancipite retusa, pedunc. plurifloro sep. ligulat. acut. tep. bene oblong. obtuse acut. lab. trifido, lacin. lat. triangul. lacin. media ab ungue dilatata transversa subreniformi biloba denticulata.

Habit of C. quadricol. flower. colour dito or nearly so. form of the lips & texture & not very clear tint of the colours are due to C. guttata Leopoldi.

Gard. Chron 1876 II. 386.

Pleurothallis pyrsodes Rf.
Apodae caespitosae, pedunc. 1 floro. foliis a basi petiolari

607.

obl.-ellipticis apice minute
tridentat. ped. gracilento folium
superante medio 1-vaginato
(bracteato ?) flore nutante ebrac-
teato! sepalo summo ligulato
trinervi, sep. inferiore 2plo latior
apice bifido 6-nervi, sep. abbre-
viat. inaequalib. ligulat. acut.
latere inferiore obtusangulo
productis 2-nervib.; lab. ligulato
apice aspero utrinq. supra
medium paullo brevissimeque
quadrato producto, col. bifida.
Flores aurantiaci. — [illegible] Am.?
In the way of Pl. fulg—

Gard. Chron. 1876. II. 452.
Oncidium virgulatum. Rf.
Aff. O. Cheri Rf. Panicula elon-
gata ramis abbreviat. fracti-
flex. valid. heteranth. flor.
fertilib. prope Onc. Cheri sep.

lin- ligulat. acut. sep. cuneato-
lanceolat. obl. obtuse acut. 2plo
latiorib. labell. pandurato basi
et antice aequilato, isthmo parvo,
auricul. basees extrors. obtus.
lacinia antica emarginata,
callo basees tricarinata utring.
carinula extrorsa, dactylis
antepositis 3, columnae alis
magnis medio sinuat. tabula
infrastigmatica utrinq. medio
emarginata. Ecuador. Klaboch.

Gard. Chron. 1876. II. 516.
Dendrob. superbiens. Rf.
(Dendrocoryne) Aff. D. bigibbo.
Caule digitum medium crasso,
racemo multifloro (20) florib.
magn. mento extinctoriiformi
antice aequali non angulato
sep. triangul. sep. oblong. bene
longiorib. lab. trilobo, lob. lat.

oblong. product. lobo antico semioblongo obtuso producto, carin. 5 a basi in basin lobi medii ibi serrulat. tota loborum lateralium superficie muricato asperula. North Australia

Most remarkable purple col.

North

Gard. Chron. 1876. II. 516.

Masdevallia Gargantua Rchf.

Aff. M. elephanticipiti.

Fol. cuneato-obl. apice minutissime tridentat. superne valde vernicosis; pedunc. unifloro flore „magno" amplo coriaceo, mento obtuso, sep. impari a basi lata caudato; cauda corpus longe superante valida, sep. inferiorib. altius connat. triangul. in caudas ipsis aequales attenuatis. Sep. ligulat. apiculat. intus supra

marginem inferiorem carinatis, labell. obl.-ligulato obtuse acutiusculo asperrimo, col. apice trifida, lacin. later. obtusis, lacinia media postica aristaeformi: - Leather yellow, intus sord. velvet purple. lips blackish purple. pet. & column white N-Grenada (Frontino District!)

Gard-Chron. 1876. II. 516.

Odontoglossum claviceps. Rf.
Aff. Od. angustato. — Sep. lin-lanceis acuminat. lateralib. labello suppositis; Sep. cuneato-rhomb. acuminat. undulat. labelli ungue columnae adhaerente, lamina oblonga acuta, callo bicarinato pluri pluriseriato, col. brevi crassa superne capitato-incrassata aptera. Ecuador F. C. Lehmann ... for the ... of ...

611.

Gard. Chron. 1876. II. 580.

Meiospinidium jucundum Rchb.

Pseudobulbo compresso pyriformi inflorescentia racemosa; bracteis laciniis ~~ovari~~ (sic! soll wohl heissen lanceis) ovaria pedicellata sub-aequantib. sep. ligulat. oblonc acut. lateral. obscure per mediam lineam extus carinat. sep. ligulat. acut. labello long ligulato antice trifido, lacin. lateralib. antice obtus. lacin. media obcordata c. apiculo carinis 2 humilib. oblong. medio emarginat. a basi in basin laciniae anticae intus pilosis columnae pilosae staminodiis bidentatis; anthera pilosula apiculo antico ascendente.

Flowers bright green prarine with brown stripes & spots

Brasilia. Veitch.

Gard. Chron. 1876. II. 708.
Sellimia trifida. Rbihf.
Racemo paucifloro, secundifloro bract. spathac. ovarii 1/3 aequant. sepalo impari ligulato, sep. infer. orb. connato-sacciat. gutture bareos e. ovario connato; tep. lanc. reflexis; hypochilio panduratto apice trifido, lacin lateral. acut. lacinia media retusa; epichilio lineo, [illegible] nae auriculis quadratis.

Gard. Chron. 1876. II. 740.
Laelia Mylamiana hybr. Rf
Pseudobulbo crasso cylindraceo mono- s. 2phyllo, racemo 6-floro, sep. ligulat. acut. lateral. incurv. tep. cuneato-obl. acut. labello late transverso basi subcordato, dilatat. trifido; lacin. lat. obtusangul. porrect. lacinia media subrem[illegible]

612
Transverso-ovata emarginat[illegible]
crispula; pollin. inaequalib.
Catt. granulosa × Laelia crisp[illegible]

ERIA LAUCHEANA, *n. sp.*, *Kränzlin.**

* *Eria Laucheana*, n. sp., Kränzlin.—Sepalo dorsali oblongo obtuso, lateralibus triangulis acutis in mentum subacutum, coalitis extus basi sparsissime fusco-crinitis ceterum omnino calvis; petalis paullo angustioribus ligulatis obtusis calvis, labelli lobis fere æquilongis (intermedio paullulum longiore), lateralibus erectis semiobovatis, intermedio reflexo subquadrato antice retuso apiculato dense piloso, callis 3 a basi labelli lobi intermedii basin usque decurrentibus medio divergentibus dense pilosis antice in pulvinar pilosum confluentibus; gynostemio generis. Racemus nutans, 15—20 cm. longus. Rhachis sparse fusco pilosa; bracteæ magnæ obovatæ obtuse acutatæ, ovaria non omnina æquantes glabræ. Tota inflorescentia, rhachis, bracteæ, ovaria, sepala lateralia et pars labelli pallide straminea (eodem colore quo gaudet Monotropa Hypopitys), petala et labelli lobi laterales atropurpurea. Totus flos vix 8 mm. diametro, bracteæ infimæ (inanes) 2 cm. longæ, superiores decrescentes. *Dr. Kränzlin.*

This new and very striking species of Eria shows the character of E. Dillwyniana, Hook., combined with those of E. hemimelaena, Rchb. f., but there are several important discrepancies between those species. Imagine a drooping raceme of E. Dillwyniana reduced to about half the size, and coloured nearly almost like E. hemimelaena, Rchb. f., then you have an idea of this plant. The peculiarities consist in the perfectly different form of the lip and its keel; and in the colour of the petals, which are pale yellow in E. hemimelaena, Rchb., and deep black-purple in E. Laucheana. The contrast between the chlorotic colour of the larger part of the flower and the deeply-coloured petals and side-lobes of the labellum is the only beauty of this otherwise merely botanical Orchid. The author is indebted for fresh materials to Mr. Lauche, chief gardener of His Grace the Prince Liechtenstein at Eisgrab, Moravia. *Kn.*

From the "Gardeners' Chronicle," June 25, 1892, *p.* 809 .

VANDA VITELLINA, *n. sp.**

* *Vanda vitellina*, n. sp.—Aff. V. cœrulescenti et variet. Boxalli. Caule foliisque omnino V. cœrulescentis foliis satis crassis anguste linearibus apice inæquali-bilobis utrinque obtusatis; racemo erecto laxifloro plurifloro (16 in specimine nostro); bracteis minutissimis triangulis; ovariis pallidis c. pedicellis 3 cm. longis tenuibus; sepalo dorsali cuneato-obovato lateralibus unguiculatis orbicularibus; petalis minoribus oblovato-oblongis basi semitortis omnibus obtusis; labelli lobis lateralibus cuneatis antice retusis erectis, intermedio multo majore cuneato antice medio bipartito disco, callis 3 subparallelis instructo, intermedio minore breviore, lateralibus latioribus longioribus (totum discum occupantibus), antice abruptis margine anteriore serrulatis, calcari subulato subcompresso recto intus melle scatente; gynostemio generis, candicula satis lata inter pollinia apiculata glandula transversa. Totus flos 1 cm. diametro vitellinus; labelli lobi laterales et gynostemium minutissime purpureo-punctulati; lobus intermedius albidus cœruleo-punctulatus. *F. Kränzlin.*

The plant resembles in every respect the well-known Vanda cœrulescens, Griff., and especially the variety Boxalli, but the flowers are by far smaller, and the colour is as yellow as a yelk. Differences in colour only are, of course, not sufficient to establish a new species; but as in Dendrobium chrysocephalum, the labellum shows us characters which, after the present opinion of systematical orchideography, are regarded as sufficient for a new species. It is not at all pleasant to describe new species of Orchids under circumstances as we enjoy them, for the last three years, and for a fourth of a century forward things will be in the same condition. The best we can do is to observe as accurately as we can, to spend a heavy lot of time and labour in the preservation of the most dispersed of all botanical literature, and when at last we are not satisfied, to give a true description. It is quite unavoidable that a new edition of J. Lindley's immortal work, *The Genera and Species of Orchidic Plants*, would be the grave of a good many newly published species, but we cannot help it.

The species now published is a gay-looking thing, of at least some horticultural value, if even not a great one. We received fresh material from the Royal Botanic Garden, Berlin, and are informed that the plant, which flowered this very time, was obtained by Messrs. Seeger & Tropp, East Dulwich, London. *Dr. F. Kränzlin.*

From the " Gardeners' Chronicle," Aug. 20, 1892, *p.* 206.

615.

Cœlogyne cuprea, *n. sp.**

* *Cœlogyne cuprea*, n. sp.—Sepalis ovato-oblongis acutis apiculatis sepalo dorsali obscurius sepalis lateralibus manifeste carinatis pellucidis; petalis lateralibus angustissimis linearibus æquilongis sub anthesi reflexis; labelli lobis lateralibus semi-ovatis obtusis antice rotundatis, intermedio cordato obtuso sub-emarginato, disco lamellis, 2 erectis antice abruptis et interposita breviore humiliore inter laterales abscondita instructo; gynostemio apicem versus manifeste alata totos laterales vix excedente. Totus flos cupreus pellucidus sep. pet. lab. 2·5—3 m. longa, sep. basi 1 cm. lata, labellam sepalis æquilongum. Flores succedanei.

This species was imported by Messrs. F. Sander & Co., St. Albans, and flowered at Herrenhausen during the spring of this year. I received a very characteristic drawing, and twice fresh material from Mr. Wendland, at Herrenhausen. The bulb is a very strange-looking thing for a Cœlogyne, as from a globular base there arises a somewhat conical brownish-green stem to a height of about 5 inches, where it bears two leaves, the one inserted a little lower than the other, of a more or less oblong or obovate form. The flower-stalk is longer than the leaves, and bears five to eight bracts from about 1 inch in length, the latter fall away at the flowering time. The flowers are drooping, and measure 1 inch in each direction, resembling a somewhat reduced flower of C. speciosa in general appearance, but quite different in colour and on other points. The colour is very peculiar, and I had given the specific name, salmonicolor, to this plant, as the flowers are almost of that tint. If Reichenbach had not used this name for a Cœlogyne, a description of which was published in the *Gardeners' Chronicle*, 1883, ii., p. 328, at first sight I should have supposed that I had to deal with the latter species, belonging also to the Filiferæ group, viz., those Cœlogynes which possess narrow thread-like petals, but close examination showed me that the two species were as different as possible. I mention here only the one character by which Cœlogyne cuprea can easily be recognised. The inside of the lip is in C. cuprea smooth and hairless, and in C. salmonicolor it is hairy, as in C. speciosa. It is to be mentioned that all the flowers of the same spike are not developed at once, but open successively at long intervals of time. *Dr. F. Kränzlin.*

From the "Gardeners' Chronicle," May 14, 1891, *p.* 619.

16.

LISSOCHILUS GRÆFEI, *n. sp.*†

† *Lissochilus Græfei*, n. sp.—Bulbis ovoideis, 3—4 poll. longis, 1½—1¾ poll. diametro, foliis longe lanceolatis acuminatis plicatis; scapo elato valido 4 pedes alto, racemo laxiusculo; bracteis basi cuneatis lanceolatis, acuminatis ovario sublongioribus. Sepalis cuneato obovatis obtuse acutis arctissime reflexis, petalis ter latioribus subaequilongis obliquis ovatis antice rotundatis; labelli lobis lateralibus ligulatis obtusis erectis intermedio arctissime compresso (explanato ovato) linea elevatula in disco a basi apicem usque decurrente, calcari brevissimo carinato; gynostemio crasso, anthera antice acuminata, polliniis profunde sulcatis, caudicula late-lineari glandula transversa rhombea. Sepala viridia extus et præsertim intus fusco-purpureo suffusa, petala extus straminea intus vitellina, labellum infra albidum supra lobi laterales violacei, intermedius luteus. Totus flos 1¾ poll. diametro.

This new Lissochilus is a very good addition to the stock of our terrestrial Orchids. It is a tall, vigorous plant, with long lanceolate folded leaves like a Curculigo, and a stout flower-stalk of 3 to 4 feet in height. The flowers, 20 or more in a raceme, are very beautiful. The sepals are dark-green, suffused with a dark purplish-brown, the petals pale yellow outside, and bright yellow inside, the lip with violet coloured side-lobes and a very strong folded and compressed middle-lobe of pale yellow colour. The plant flowered in the stoves of Dr. Hugo Græfe, at Steglitz, near Berlin, and we received fresh materials from this gentleman. The plant was purchased in England, in the bulk, with many other specimens, in 1888, from Messrs. Seeger & Tropp, Lordship Lane, East Dulwich. As the other plants of this sending were only epiphytial ones, Dr. Græfe cultivated the specimen like other epiphytes; the plant responded to this treatment, but it was not doing well; at last it was potted in peat and loam, and from this moment it increased in size from year to year.

The plant is in the way of Lissochilus speciosus, L. Krebsii, and especially L. streptopetalus, Lindl., published many years before under the name of Eulophia streptopetala, Lindl. At first sight our plant is in a high degree like a luxuriant specimen of the latter, and it is necessary to point out once more the botanical discrepancies given in the Latin description. 1. The petals are not twisted at the base, as in L. streptopetalus. 2. The lip has the middle lobe not flat, as in L. streptopetalus (and all the other species), but very strong folded, to such a

617.

degree that it is impossible to plait it without breaking the whole labellum. 3. The glandula of the pollinium is a broad rhombic hyaloid body, but not a small brownish one, "glandula parva brunea," as it is said to be in Lindley's original description of Eulophia streptopetala. 4. The whole plant, bulbs, leaves, flowers, are twice to three times larger in L. Græfei than in L. streptopetalus. *Dr. Kränzlin, Berlin.* *From the "Gardeners' Chronicle," June* 11, 1892, *p.* 749.

DENDROBIUM CHRYSOCEPHALUM, *n. sp.**

* *Dendrobium chrysocephalum*, n. sp. (Pedilonum)—Sepalo dorsali oblongo acuto, lateralibus antice oblongis acutis postice in pseudocalcar ovario c. pedicello æquilongum productis; petalis lateralibus sublatioribus oblongis acutis; labello e basi longe producta cuneato lanceolata obtusata; sepalis quam maxime simillimis, disco omnino lævi (i.e., nec lamellis nec lineis elevatis aut sulcatis, crinibus characteribusque quibuslibet instructo); gynostemio apice utrinquè bicornuto, androclinio postice in apicem longum producto; anthera antice retusa, polliniis postice profunde sulcatis curvatulis. Caules teretiusculi læte virides; racemi multiflori densissime confertiflori capitati; bracteæ minutissimæ pallidæ. Flores intense aurei, 1—3 cm. longi antice (expansi) 5 mm. diametro, pseudocalcar 8 mm. longum. *F. Kränzlin.*

The Dendrobes of the Pedilonum section are not in fashion with Orchid amateurs, yet they include a good many of the most striking species of this genus. Dendrobium viridi-roseum, Rchb. f., for instance, and its variety candidulum, Rchb. f., rank among the best of the whole genus. The plant we have at hand is, in spite of its deep golden-yellow flowers, so similar to the Reichenbachian D. viridi-roseum, that we supposed we had to deal with a variety of this old species known since the time of Roxburgh. The habit of the plant, the size, and the structure of the inflorescence are the same in both species. The examination of the flower, however, showed differences—especially of the labellum—of such importance, that we must admit a new species. As the characters of a merely botanical value are pointed out in the Latin description, we need not reiterate the whole once more. The plant was imported by Messrs. Sander & Co., St. Albans, and flowered in the well-known collection of Prince Liechtenstein, at Eisgrub, Moravia. We are indebted for fresh materials to Mr. W. Lauche, chief gardener. *Dr. F. Kränzlin.*
From the "Gardeners' Chronicle," July 30, 1892, *p.* 122.

New Plant

PHALÆNOPSIS AMPHITRITE, *n. hybrid.*

THIS pretty new hybrid has been obtained by crossing P. Stuartiana × P. Sanderiana, the latter being the pollen-plant. These two species ranging among our best hothouse plants, it would be expected that their offspring must become a lovely one. The size of the flower is that of a very good P. Stuartiana, or a smaller P. Sanderiana. The sepals are narrower than in P. Sanderiana, pale mauve, or deep nankeen-yellow, with a white margin, and a purplish hue to the base, the lateral ones spotted with minute purple blotches at the very base; the lateral petals are also in the way of Sanderiana, white, with a rose-purple blush at the base; the lip is perhaps still more than the other parts that of Sanderiana, in the form as well as in colour. The side-lobes are white, spotted with purplish and yellowish colour on the anterior margin; the blade of the middle lobe is pale rose-coloured, with very numerous spotlets of purple; the tendrils of the lip are the same as in P. Sanderiana. *Dr. F. Kränzlin.*

From the "Gardeners' Chronicle," May 14, 1892, *p.* 618.

CATTLEYA BATALINI, *Sander and Kränzlin.**

* *Cattleya Batalini*, Sander and Kränzlin.—Affinis C. Schillerianæ, Rchb. Sepalo dorsali late lineari acuto apiculato, lateralibus falcatis, lineari-lanceolatis acutis apiculatis; petalis cuneato-oblongis obtusatis; labelli lobis lateralibus semiovatis antice rotundatis vix dimidium totius labelli æquantibus, lobo intermedio cuneato dilatato antice alte sinuato margine crispulo, disco lineis 2 elevatis additisque minoribus utrinque instructo; gynostemio pro floris magnitudine maximo curvato lobis labelli lateralibus tertia parte longiore infra profunde excavato, fovea stigmatica maxima. Pseudobulbi caulescentes ad 15 pollices alti vix ½ pollicem diametro. Folia e basi cuneata ovato-oblonga acuta ad 7 pollic longa, ad 2½ pollic lata. Floret media æstate. Flores pallide purpurei 2 ad 2½ pollices diametro, petala intensius colorata, labelli lobi laterales albidi roseo-suffusi, lobus intermedius violaceus albo-marginatus.

619.

This addition to our stock of Cattleyas is not only a very beautiful plant, but a very striking one, on account of its affinities. At first sight its form recalls to my mind a small flowering C. Schilleriana, the colour that of C. superba, the enormous column of C. bicolor. There are besides some affinities to C. granulosa and C. guttata, but they are not so much developed as to lessen the resemblance it has to the first-named species, inasmuch as there is nothing to remind one of the leopard-like colour of those last-named species.

The flowers are fully 2½ inches across, the sepals pale purplish-rose coloured, the petals broader and somewhat darker, the short side-lobes of the lip whitish, with a very faint purplish hue; the middle lobe is broader and cuneate, but not in such a remarkable way as in C. Schilleriana. In the disc there are two lines of small granular tubercles, but they are very smooth on the surface, and not so much developed as in some other species of this group. The colour of the mid-lobe is deep purplish, with a whitish border. The column is, for the dimensions of the flower, of an enormous size, it being nearly two-thirds of the size of the entire lip, and fills out the hollow made by the side-lobes.

Botanists who regard natural hybrids with enthusiasm may regard this plant as a hybrid between one or the other of the species named above. So far as one can judge from the results hitherto of cross-fertilisation, the result of fertilising C. bicolor, Lind., with the pollen of C. Schilleriana, Rchb., may, perhaps, produce a plant similar to ours, and surely a good new hybrid will be the result. But until I have a real proof of its hybrid nature, I must regard C. Batalini as a new and distinct species, although intermediate between, and very near to C. Schilleriana, bicolor, Aclandiæ, and others, all of which may have been derived from a common ancestor.

The plant was imported from Brazil by Messrs. Sander & Co., St. Albans, flowered in July of this year, and was exhibited at the meeting of the Royal Horticultural Society, July 12, in the Drill Hall, James Street, Westminster. It is named in honour of Professor Batalin, the Director of the Imperial Botanic Gardens at St. Petersburg. *Dr. Kränzlin.*

From the "Gardeners' Chronicle," Sept. 17, 1892, *p.* 332.

Gard. Chron. 1876 II. 226.

Aganisia coerulea. Rf.

Caulib. valid. articulat. pseudobulb. depresso-oblong. fusiformib. vaginis triangul. acuminat. vestitis monophyll. foliis cuneato-oblongo-ligulat. acuminato; pedunculo axillari ex vagina paucisquamato apice racemosa, bracteis triangul. acut. ovaria dimidia aequantib. sep. cuneato-obl. apiculat. sep. subaequalib. paulo latiorib. et brevioribus. labell. unguiculato trifido lacin. basilarib. brevissime triangul. laciniae mediae ungue a basi introrso, lamina oblonga, sacciata sed apicem usque divisa margine fimbriata; callo angulato antrorso in medio ungue basilari; callo lato 5-dentato in ungue laciniae mediae, dentib. 3 med.

prosilientib. columnae alis assurgentib. quadrat. anthera conico apiculata. — Brasilia.
Colour of Vanda caerulea darker tessalated, sac round as in Cypr. Calceolus.

Gard. Chron. 1876. II. 260.
Odontoglossum baphicanthum
Paniculatum; sep. ligulat. aristat. sep. paulo latiorib. labello pandurato basi latiore, aristato serrulato, callo lineari apice bicruri in basi; col. lati rotundato produita, alis apicilanb. ligulat. aristatis hinc serratis denticulo subulato una alterave addito juxta foveam.
O. odoratum × crispum?
Ex nova Granada.
Grower Bull alt odorat. Yellow with purple spots

Gard. Chron. 1876 II. 740.

Camarotis cochinchinensis Rf.

Fol. lin. ligulat. apice minute bilobis; racemo parvo brevi; sep. obl. obtuse acut. latent. inaequalib. basi connat. a labello liberrimis; sep. cuneato-obl. obtus. labelli sacciformi conici, lacin. lateralib. liberis quadrat. superne denticulat. lacinia media tridentata dente medio majore, callo triangulo in pariete postico in septum transcendente, callo bidentato sub apice medio laciniae anticae; col. brevi, rostello lato ~~[illegible]~~ ornithorrhyncho, glandula laterali. Flores viridi-flavi, sepala extus linea brunea, columnae pars infima flava.

Sir Trevor Lawrence imp. from Cochinchina.

623

Gard. Chron. 1876. II. 772.

Odontoglossum Londesboroughian.

Racemosum, sep. oblong. apiculat. unguiculat. sep. obl. obtuse apiculat. crispul. latiorib. label. basi utrinq. obtuse sagittato ungue elongato calloso, lamina antica transverse reniformi; callo lacer triangulo excavato papula utrinq. antepositia col. aptera curvata.

Mexico. Backhouse.

Gard. Chron. 1876. II. 772.

Laelia Dayana Rf.

Vultu L. pumilae. Labello trifido lacin. lat. prope rectangul. antice minute denticulato serrat. lacinia media porrecta subquadrata emarginata denticulata serrulosa; carinis 7 humilib. subparallel. a basim dictum laciniae mediae; col. apice

utrinq. angulata! Flores laete lilacini, labelli discus pallidus albidus, limbus superior laciniar. lateralium purpurascens, anterior pilli laciniae mediae profunde atropurpureae. carinae 7 pulchre atropurpureae. Col. vulgo alba limbo atropurpurea.

Gard. Chron. 1876. II. 808.
<u>Lycaste Denningiana. Rchf.</u>
(Non aureae ciliatae ob lusie) [sic!] Recedit ab omnib. affinib. labello valde lato, callo amplo transverse rhombeo acuto, parte antica valde brevi, carinis quibusdam in basi. Pseudobulb. 3" altus subpyriformis demum sulcatus glaucus diphyllus. Folia petiolata cuneato-obl. acu. Pedunculus validus vix spithamaeus Bracteae cucullatae ovatae apiculatae

ovario pedicellato breviore. Sep. ligulata obtuse acuta, lateralia in mentum brevissim. conica excuntia. Petala ligulata cuneata obtuse acuta! Labell. rufum. – Ar Lycastide costa colore quidem simili recedit calli indole. Verosimiliter ex Ecuador import. a dom. Backhouse.

Gard. Chron. 1876. II. 808.

Odontogl. vexativum Rf.

Pseudobulb. ligulat. ancipitib. fol. cuneato ligulat. acut. pedunculo elato plurifloro distantifloro, grandifloro; bract. spathac. ovaria pedicellata dimidio aequantib. sep. triangulo ligulat. extus carinat. sep. oblong. obtuse acut. labelli callo trifido; lacin. later. basilarib. semioblong. implicitis excavat. antice acut. lacinia

antica lineari bidentata in disco unicarinata, col. aptera Odontoglossum nebulosum × maculat. Flores speciosi. Sep. intus castanea margine alba. Sep. albo-olivacea basin versus maculata. Labelli callus flavus maculis brunneis. Labelli lacinia ~~antica~~ alba maculis in basi parvis olivaceis. Col. alba.

Most probably nat. hybrid.

Gard. Chron. 1876. II 808.

<u>Oncidium lamelligerum Rf.</u>

Aff. O. trifurcato Ldl. Sepalis impari unque basi appendiculata, lamina reniformi undulata crispa; sep. later. bene unguiculat. laminis obl. crispis altera baseos latere cuneatis altero angulato semihastatis, sep. late unguiculat. obl. acut. crispis; labello trifido

627

lacin. later. triangulis, lacinia media lin-lancea elongata carinis humilib. 3 in basi, carina ligulata ancipite erecta antepositam, carina lineari erecta breviore utring. lamellis 3 anteposidis, lateralib. subquadratis lobulat. extrorsis. columnae apice abruptae alis falcat. Ecuador - Klaboch.

Gard. Chron. 1876. II. 808.

Zygopetal. (Pescatorea) euglossum Rf.
Sep. sep. q. cuneato oblong. obtuse acut. lab. oblongo apice obtuse bilobo; ante callum contracto, callo magno laterib. anticis crenulato excurrente medio in lamellas 7 contiguas productas antice abruptas exeunte; col. gracili basi levissime tomentosa utring.

basi angulata. Von Klaboch entdeckt. Blt. nahezu so gross wie die von Dor. c-erinea. It may be of a beautiful lilac colour. Lippe auffällig lang. länger als bei D. Wagana. Zweilig an der Spitze.

Gard. Chron. 1875 I. 8.

Masdevallia simula. Rf.

Dense caespitosa. Fol. a lineari basi lin.-lanceol. apice cucullato-contractis microscopice crenulatis pedunculo unifloro, bractea spathacea ancipite acuta pedicello subduplo breviore, floris cyatho quarta infima connato, sepalo superiore triangulo cucullato apice lineari dorso carinato, sep. lateralib. ima basi & connatis guttarosis, dein oblong. apice caudatis brevib. laminam non aequantib. intus trabeculat. callosis; sep. brevib. subquadrato-

margine anteriore angulatis; labello ~~xxx~~ bene unguiculato, lamina transverse oblonga antice obtuse triloba, angulo minore utrinq. ante basin; col. gracili longiore apice cucullato, cucullo dentato.

Upper sepal purple with many pellucid honey coloured hairs. base of inferior sepals purplish. near Molossus.

Gard. Chron. 1875 I. 136.

Brassia brachypus Rf.

Pseudobulb. oblong. ancipitib. parv. fol. obl.-lanc. bene acutis; pedunculo crasso densius floriđo; bracteis ligulat. acut. spathac. ovaria pedicellata duplo superantib. ovario incurvo, sep. ligulato-caudat. tepal. falcato-caudat. brevioribus; labello ovali lobulato apice aristato

callis contiguis clavat. 2-a basi dirum versus pilosis; callo parvo conico extrorso utrinq. extus juxta apicem calli. Ecuador - Backhouse, in the way of Br. glumacea, very distinct in the lip & the very short ovary. Flowers yellowish with brown spots, lips whitish with brownish cin- mon bars & blotches, callus yell.

DISA INCARNATA, *Lindl.*

For upwards of half a century this handsome Disa has been known to science, and now horticulturists will have an opportunity of making its acquaintance (Fig. 88). Messrs. W. L. Lewis & Co., of Southgate, have submitted to Kew for determination a plant which is none other than the one described by Dr. Lindley in 1838 in his *Genera and Species of Orchidaceous Plants* (p. 348), under the above name. It is bearing three racemes, one of which is fully expanded. The flowers are of a bright cinnabar-orange, with the exception of the dorsal sepal, which is deep yellow, with bright red spots. Several species of this large and interesting genus have recently appeared in cultivation, and the present one will be a welcome addition to their number, especially as their cultivation seems now to be better understood than formerly. Individually the flowers are just under an inch in diameter, and are borne many together in a raceme, their bright colour giving a very pleasing effect. It is a native of Central Madagascar, and was originally collected by Lyall, and recently by Baron, Fox, Deans Cowan, and Rutenberg. [See report of Royal Horticultural meeting on p. 343.] *R. A. Rolfe.*

From the "Gardeners' Chronicle," May 14, 1892, *p.* 619.

631.

ONCIDIUM ROLFEANUM, *Sander.**

* *Oncidium Rolfeanum*, Sander.—Raceme long, slightly branched. Bracts concave, ovate-oblong, subacute, 6 to 8 lin. long. Sepals unguiculate, auricled at base; dorsal one with broadly ovate acute undulate limb, 8 lines long by 5 lines broad, brown, irregularly margined with yellow; the lateral ones 10 lines long, paler, and without yellow margin, but otherwise similar. Petals subsessile with broad base, ovate, acute, and with somewhat obliquely-reflexed margin, crispo-undulate, 7 lines long, yellow, spotted and somewhat barred with brown. Lip 7 lines long, three-lobed; front lobe elliptical-oblong, obtuse or subacute, very undulate, yellow, marbled with cinnamon-brown; side lobes rounded and upturned in the middle, forming a cavity on either side of the crest, yellow, margined with deep brown, constricted above the truncately-hastate dull purple base; crest complex, yellow, with a few dull sepia blotches on basal half; in front are situated three oblong yellow appendages, the side ones concave and obtuse, the middle one bidentate, and prolonged behind as a sharp keel to near the base of the much-swollen crest; at the summit is a pair of rounded calli, one on either side, and below these several irregular lateral teeth opposite the cavity formed by the upturned rim of the side lobes. Column 3 lines long, with minute linear fleshy wings. Native of Columbia. 1892. II. 34.

Gard. Chron. 1892. II. 34.

At the recent show of the Royal Horticultural Society, held in the Inner Temple Gardens on May 25 and 26, an Oncidium was exhibited by Messrs. F. Sander & Co., of St. Albans, under the above name, and to which a Botanical Certificate was awarded (see *Gardeners' Chronicle*, 1892, pt. 1, pp. 698, 700). Flowers have now been received of it, and it will, therefore, be advisable to place its characters upon record. It belongs to the Microchila section of the genus, and is allied to O. Kienastianum, Rchb. f., and O. trilingue, Lindl. To the former, known to me by description only, it must stand very close, yet there are characters which, if correctly given, prove that the present one is specifically distinct. The native country, too, may be different, as the present species is said to hail from Columbia, while O. Kienastianum was described as a Roezlian importation, "one might guess from Northern Peru." The sepals are brown, the upper one rather darker and irregularly margined with yellow; the petals yellow, spotted, and somewhat barred with brown; and the lip yellow, marbled with brown, and some dull purple on the basal auricles. The technical characters of this remarkable species are pointed out in the annexed description. It may be added, that several distinct species of this section of the genus have not yet been introduced to cultivation. *R. A. Rolfe, Kew.*

ONCIDIUM GRAVESIANUM, *Rolfe, n. sp.**

* *Oncidium Gravesianum*, n. sp. — Pseudobulbs 3 inches long, $2\frac{1}{2}$ inches broad, broadly elliptical-oblong subcompressed; margin acute. Leaves elliptical-oblong, obtuse, 4 inches long, $1\frac{3}{4}$ to $2\frac{1}{4}$ inches broad. Panicle large and branching. Flowers 2 inches in diameter. Bracts very small. Dorsal sepal spathulate-oblanceolate, obtuse, undulate, brown, with a few irregular yellow bars. Lateral sepals united at base into a narrow claw 5 lines long, the free parts suddenly diverging at right angles, lanceolate-oblong in shape. Petals obovate, $5\frac{1}{2}$ to $6\frac{1}{2}$ lines broad, like the sepals in colour. Lip pandurate, 1 inch long; side lobes spathulate-obovate, 1 line long; isthmus $2\frac{1}{2}$ lines broad; front lobe broadly suborbicular-ovate, undulate; crest consisting of a triangular acutely-margined elevated basal portion, then extending in a short high central keel, terminating suddenly in a pair of short teeth on either side, and with a few small teeth on the isthmus, directed in a line towards the side lobes; colour yellow, the basal part with many brown spots, the front lobe very broadly margined with brown. Column 5 lines long, purple-brown below, with a prominent yellow swelling in front, yellow above, with light brown anther-case; wings very large and rounded, yellow, with a marginal row and a few other brown spots. Native of Pernambuco, Brazil. — *R. A. Rolfe.*



FIG. 94.—ONCIDIUM GRAVESIANUM. (SEE P. 65?.)

pointed out in the technical description below. This section of the genus contains several very showy garden plants, yet it presents great difficulty to botanists, and the limits of some of the species are not very clearly defined. The present one is a very interesting addition to the group. *R. A. Rolfe.*

From the "Gardeners' Chronicle," May 21, 1892, *p.* 650.

ONCIDIUM GRAVESIANUM, *Rolfe, n. sp.**

632.

* *Oncidium Gravesianum*, n. sp. — Pseudobulbs 3 inches long, $2\frac{1}{2}$ inches broad, broadly elliptical-oblong subcompressed; margin acute. Leaves elliptical-oblong, obtuse, 4 inches long, $1\frac{3}{4}$ to $2\frac{1}{4}$ inches broad. Panicle large and branching. Flowers 2 inches in diameter. Bracts very small. Dorsal sepal spathulate-oblanceolate, obtuse, undulate, brown, with a few irregular yellow bars. Lateral sepals united at base into a narrow claw 5 lines long, the free parts suddenly diverging at right angles, lanceolate-oblong in shape. Petals obovate, $5\frac{1}{2}$ to $6\frac{1}{2}$ lines broad, like the sepals in colour. Lip pandurate, 1 inch long; side lobes spathulate-obovate, 1 line long; isthmus $2\frac{1}{2}$ lines broad; front lobe broadly suborbicular-ovate, undulate; crest consisting of a triangular acutely-margined elevated basal portion, then extending in a short high central keel, terminating suddenly in a pair of short teeth on either side, and with a few small teeth on the isthmus, directed in a line towards the side lobes; colour yellow, the basal part with many brown spots, the front lobe very broadly margined with brown. Column 5 lines long, purple-brown below, with a prominent yellow swelling in front, yellow above, with light brown anther-case; wings very large and rounded, yellow, with a marginal row and a few other brown spots. Native of [illegible]mbuco, Brazil. *R. A. Rolfe.*

[illegible]very elegant species of Oncidium (see [illegible]). 651), is an ally of the well-known [illegible]m and O. prætextum, but differs in [illegible] of particulars, among which its much [illegible] petals, averaging only half an inch in [illegible] is perhaps the most striking, for they [illegible]uite a distinctive appearance to the plant. [illegible]tive of Pernambuco, in Brazil, and is one of [illegible]gs sent home from the district in which [illegible] labiata has been re-discovered. It was [illegible] by Messrs. F. Sander & Co., of St. Albans, [illegible]om it has just flowered. It received an [illegible]of Merit from the Royal Horticultural [illegible] of April 19 last. It bears branching [illegible] of golden-yellow and brown flowers 2 inches [illegible]ter, whose characters are more particularly pointed out in the technical description below. This section of the genus contains several very showy garden plants, yet it presents great difficulty to botanists, and the limits of some of the species are not very clearly defined. The present one is a very interesting addition to the group. *R. A. Rolfe.*

From the "Gardeners' Chronicle," May 21, 1892, *p.* 650.

633. Gard. Chron. 1892 II. 35.

ODONTOGLOSSUM PLATYCHEILUM.

This very distinct and charming little Odontoglossum was exhibited by R. J. Measures, Esq., of Cambridge Lodge, Flodden Road, Camberwell, (gr., Mr. H. Simpkins), at a meeting of the Royal Horticultural Society on March 22 last, and was described and figured by Mr. Weathers, on p. 587 of the last volume. Nothing has been stated as to its origin, though I suspect it to be Central American, as its affinity is with the group of O. Rossii, O. Cervantesii, &c., though it possesses one or two anomalous characters. All things considered, I think it must stand next the Guatemalan O. stellatum, Lindl., which agrees in the absence of column wings, though that has much smaller solitary flowers with narrower segments. The white sepals and petals with the purple stain at the base recall in some respects a small edition of Miltonia Roezlii, yet the stalked lip and crest and other characters are unquestionably those of the first-named group. The large membranaceous rounded front lobe of the lip is white, covered with numerous light violet spots. The side lobes are reduced to an erect narrow margin on either side of the fleshy unguis, and terminate in an acute angle at the base of the pair of acute tooth-like crests. It is a very interesting addition to the group. I append a full description of the plant.* *R. A. Rolfe.*

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* *Odontoglossum platycheilum.* — Pseudobulbs ovoid, 1¼ to 1½ inch long. Leaves narrowly lanceolate-linear, acute, carinate, 7 to 9 inches long; scape not half as long as the leaves, at present two-flowered. Flowers large. Bracts ovate-lanceolate, acuminate, 5 lines long. Pedicelled ovary sharply triquetrous, 1½ inch long. Sepals subconnivent, lanceolate-linear, shortly acuminate, strongly carinate, 1 inch long, blush-white, with a dull light purple blotch at extreme base. Petals similar, except in the absence of the keel. Lip obscurely three-lobed; front lobe large flat and membranaceous, broadly ovate-orbicular, emarginate and obscurely crenulate, over 14 lines broad, by nearly as many long, white, with numerous light violet spots over its entire surface; side lobes reduced to an erect narrow margin on either side of the fleshy unguis, and terminating in an acute angle at the base of the keels, pale yellowish-white, with a pair of yellow spots on either side; keels consisting of a pair of acute teeth, pale yellowish-white in colour; unguis six lines long. Column clavate, eight lines long, pale yellowish-white; stigma suffused with pale dull violet, wings reduced to a narrow fleshy margin. *R. A. Rolfe.*

ZYGOPETALUM GRAMINIFOLIUM, *Rolfe, n. sp.**

* *Zygopetalum graminifolium*, n. sp. — Rhizomes very slender, creeping round the stems of Lomaria Boryana. Pseudobulbs small, ovoid-oblong. Leaves narrowly lanceolate-linear, acuminate, nerved, 8 to 12 inches long, 3 to 4½ lines broad. Scapes erect, five to seven-flowered. Bracts lanceolate-ovate, aoute, base sheathing, 1 to 1½ inch long. Petals like sepals, but narrower towards base. Lip broadly obovate or obcordate, 1 inch long, ¾ inch broad; crest very large, horse-shoe-shaped, crenate. Column clavate, ½ inch long. Native of South Brazil. *R. A. R.*

This elegant little Zygopetalum is a native of South Brazil, and was introduced some time ago by Messrs. F. Sander & Co., of St. Albans, on stems of Lomaria Boryana. At first I thought it must be a narrow-leaved variety of the old Z. maxillare, Lodd., but it has now flowered on several different occasions, and proves quite constant in character, so that its claim to specific rank may readily be conceded. There are three closely-allied species, whose peculiarity is to grow upon the stems of Tree Ferns, namely, the two just mentioned and Z. Gautieri, Lem. All are likewise characterised by the possession of an unusually large horseshoe-shaped crest. Z. graminifolium may be readily distinguished from the others by its much more slender creeping rhizome, smaller pseudobulbs, and much narrower grass-like leaves. The racemes are erect, and five to seven-flowered; the sepals and petals light green, heavily blotched with dark brown, and the lip of a uniform bright purple-blue. It is a graceful and very pretty little plant. *R. A. Rolfe.*

From the "Gardeners' Chronicle," Aug. 13, 1892, *p.* 179.

MASDEVALLIA HARRYANA GRAVESIÆ, *Hort.*
(See fig. 21.)

A pure white variety of this handsome species is a great rarity; indeed, I was not aware that one was in cultivation until the other day. In its native home the species is said to vary from deep rich crimson-purple through shades of majenta, crimson, scarlet, orange, and yellow, to cream-white, the lighter shades being decidedly the rarest, and only occurring near the upper limit of the species. The white variety, to which the above name has been given, and of which a flower has been received through Messrs. F. Sander & Co., of St. Albans, exists in the collection of Henry Graves, Esq., of

Orange, New Jersey, U.S.A., and has been named after that gentleman's wife. It was introduced by the late Mr. F. Man, formerly a traveller for the St. Albans firm, but afterwards in business for himself at Orange, New Jersey. The honour of introducing it belongs solely to Mr. Man. Though somewhat faded after its long journey (having been brought over by Mr. Alfred Dimmock, Mr. Sander's traveller), it is still quite white, and evidently a very beautiful variety, which will contrast effectively with the brighter-coloured forms. It may be of interest to mention here that a plant of this species in the collection of Sir Trevor Lawrence at Burford Lodge has just produced a twin-flowered scape, a very rare occurrence with this species. *R. A. R.*

From the " Gardeners' Chronicle," July 30, 1892, *p.* 122.

ODONTOGLOSSUM OWENIANUM, *Rolfe, n. sp.**

* *Odontoglossum Owenianum*, n. sp.—Raceme six-flowered. Sepals lanceolate, acuminate, undulate, 17 lines long by 4 lines broad, pale whitish-yellow, with the whole of the disc chocolate. Petals rather broader, pale yellowish-white, sometimes with one chocolate blotch in the centre. Lip unguiculate, limb spreading, pandurate-oblong, shortly acuminate, with deflexed apex, irregularly crisped-denticulate, wholly white, 1 inch long by 8 lines broad at base; crest consisting of a pair of short central plate-like teeth, and a pair of smaller diverging teeth on either side. Column 8 lines long, white behind, and with a yellow stain in front below the light-brown stigma; wings short, acute, irregularly and shortly toothed, marbled and suffused with light brown. *R. A. R.*

This distinct and pretty Odontoglossum was introduced by Messrs. F. Sander & Co., of St. Albans, with whom it flowered a short time ago. Whether it is a good species or only a natural hybrid, does not at present seem quite certain. The shape of the lip in some respects recalls O. Pescatorei, yet it is very distinct from any other form which I have seen, and I do not quite see what particular combination would produce it. The white lip, yellowish-white petals, with or without a chocolate blotch, and the sepals with the whole of the disc of the latter colour, give it a very distinctive appearance. It is dedicated to G. Dyson Owen, Esq., of Selwood, Rotherham, Yorkshire. I hope to see it again on a future occasion. *R. A. Rolfe.*

From the " Gardeners' Chronicle," Aug. 13, 1892, *p.* 178.

CYMBIDIUM HUMBLOTII, *Rolfe, n. sp.*,* AND C. FLABELLATUM, *Lindl.*†

* *Cymbidium Humblotii*, n. sp.—Stems rhizomatous, stout, about 6 inches long, clothed with persistent sheaths. Leaves linear, acute, 1¼ to 1½ foot long, 5 to 9 lin. broad, leathery, and strongly nerved. Panicle branched, erect, 3 feet high, many-flowered. Bracts linear-lanceolate, acuminate, ¾ to 1 inch long. Pedicels 1¼ to 1½ inch long. Flowers smaller than, but closely resembling, those of Cœlogyne pandurata in colour. Sepals linear-oblong, acute, 1½ in. long, 5 lin. broad, light green, the lateral ones strongly falcate, and carinate near the apex. Petals concave, lanceolate-elliptical, acute, 1¼ inch long by 7½ lin. broad, light green, with a few small spots on the lower half. Lip 1 inch long, three-lobed; side lobes very broadly rounded; front lobe elliptical, oblong, obtuse, undulate, yellowish-green, with brownish-black margin, and many similar spots on the disc and side lobes, with an elongated blotch on either side of the lip; disc with a pair of short parallel plates with recurved margins near the base, and three slender crenulate keels in front. Column 5 lin. long, broadly clavate, pale green, with many black dots on face, a narrow black margin, and deep brown anther-case.

† *Cymbidium flabellatum*, Lindl., *Gen. et Sp. Orch.*, p. 167; Ridley, in *Journ. Linn. Soc.*, xxi., p. 472; Limodorum flabellatum, Thouars, *Orch. Iles Afr.*, tt. 39, 40.

It is strange how long a period sometimes elapses before an imperfectly-described plant becomes fully known. As long ago as 1822, Thouars published a rude figure of a Madagascar Orchid, under the name of Limodorum flabellatum. A few years later Lindley transferred it to Cymbidium, without, however, seeing a specimen. Mr. Ridley, in his paper on "The Orchids of Madagascar," remarks, that he has grave doubts if the plant belongs to Cymbidium, as now understood. In looking through some dried specimens collected by M. Leon Humblot in Madagascar, I came across not only the long-lost plant, but also a much finer species, apparently undescribed, and feel no hesitation in saying that both belong to Cymbidium. And now the novelty has appeared in cultivation. A fine plant was exhibited at a meeting of the Royal Horticultural Society on June 7 last, by C. Ingram, Esq., of Godalming, as Cymbidium Loise-Chauvierii, and was awarded a Botanical Certificate. With regard to the name, a word must be said. It has been applied to a so-called "scarlet Cymbidium" (which may be allied to the scarlet Phalænopsis and blue Rose), and it would be a pity to transfer it to a plain cousin in green and black, in order to avoid the trouble of having to coin a name in harmony with the principles of binomial nomenclature. M. Humblot is equally

637.

entitled to the honour, and I should not be surprised to find that the living plant, like the dried one, has been through his hands. C. Humblotii is a bold and striking plant, with rhizomatous stems, leaves somewhat resembling those of C. giganteum, and a branching panicle of numerous green and black flowers, which strongly recall those of Cœlogyne pandurata. Its characters are pointed out in the accompanying diagnosis. The presence of the genus in Madagascar is very interesting, but not surprising, when it is remembered what a considerable number of Malayan genera are represented in that island, and yet absent from continental Africa. Cymbidium is distributed from South China and the Eastern Himalayas to Ceylon and the Malayan and Philippine Archipelagos, with three outlying species in tropical Australia, and two in Madagascar. The second Madagascar species may yet appear in cultivation. *R. A. Rolfe.*

From the "Gardeners' Chronicle," July 2, 1892, *p.* 8.

CALANTHE SANDERIANA, *Rolfe, n. sp.**

* *Calanthe Sanderiana*, n. sp.—Terrestrial. Leaves tufted, petioles 6 to 8 inches long, blade elliptical-lanceolate, acuminate, 12 to 15 inches long, 4 to 5 inches broad. Scapes equalling or a little exceeding the leaves; racemes many-flowered. Bracts ovate-lanceolate, acuminate, 4 to 8 lines long. Sepals elliptical-lanceolate, acute, 10 to 12 lines long, 4 to 4½ lines broad. Petals obovate-lanceolate, acute, a little shorter and broader than the sepals, and, like them, pale lilac, shading off to lilac-purple at the margin. Lip as long as the sepals, three-lobed; side lobes falcate-linear, 3 lines long; front lobe obcordate-bilobed, 9 lines broad; disc with three prominent verrucose keels, of which the central one is the longest; spur somewhat flattened, 1 to 1½ inch long; colour of lip rich purple, with the basal part of the crest brown, and the spur lilac. Column short and stout, white. Native of East Tropical Africa. *R. A. R.*

This handsome Calanthe is a native of East Tropical Africa, whence it was introduced by Messrs. F. Sander & Co., of St. Albans, a short time ago. A plant was exhibited at a meeting of the Royal Horticultural Society on August 9 last, and received an Award of Merit. It is allied to C. natalensis, Rchb. f., but has larger flowers, and a much deeper-coloured lip. The scape is a little taller than the leaves, and bears a raceme of numerous flowers. The sepals and petals are pale lilac, shading off to lilac-purple at the margin, and

the lip rich deep purple, with some brown on the crest. The somewhat flattened spur is usually about 1½ inch long. Dried specimens were collected by Sir John Kirk, but the species does not appear to have been previously described, and the above name is therefore proposed for it, in honour of its introducer, Mr. Sander. It is a very attractive species, the dark purple lip forming an elegant contrast with the paler segments, and will doubtless prove as easy of cultivation as its allies. *R. A. Rolfe.*

From the "Gardeners' Chronicle," Oct. 1, 1892, *p.* 396.

ANGRÆCUM HENRIQUESIANUM, *Rolfe, n. sp.**

This is a neat and pretty little Angræcum, which was introduced from the island of St. Thomas, West Africa, and flowered in the Botanic Garden of the University of Coimbra, Portugal, during 1889. A living plant was sent to Kew, for determination, by Prof. J. A. Henriques, but it could not be identified with any species in the Herbarium. The plant was sent to the garden here, and, having become established, it has now produced another raceme. As I still fail to determine it, I venture to describe it as above, naming it in honour of Professor J. A. Henriques, Director of the Botanic Garden at Coimbra. It is closely allied to A. bilobum, Lindl., and A. apiculatum, Hook., which probably represents one and the same species, but is a much smaller plant in every respect. *R. A. Rolfe, Herbarium, Kew.* 1890.

II. 466.

Gard. Chron. 1875 II. 170.

Masdevallia severa Rchb. f.

Folio maximo a basi petiolari spatulato oblongo acuto valde acuminato; pedunculo valido apice trifloro (plurifloro? homochromo?)

Sepalo summo triangulo caudat. sep. lateral. altius coalit. dimid. liber. triangul. porrecto- subparallelis, caudis ipsa sepala aequantib. limbo et disco ob pilos brevissimos scabridis; tep. ligulat. apice duplicat. denticulat.; lab. cuneato-oblong. basi bilamellato, lamina et limbo implicito denticulato subcalicata; nervis omnib. carinat. col. acuta.

Rather near Chimaera & Roezl. Columbian.

Gard. Chron. 1875 I. 300.

Phalaenopsis leucorrhoda Rf.

- Aphrodite- Schilleriana. Foliis P. Schillerianae florib. prope P. Aphrodidis; labelli lacinia antica utring. acutangula cirrhis anticis basi multo latiorib. callo

selliformi; basi bidentato extrorsum gibboso. — Flores albi sep. purpureo-lavata, sep. extus flavida, labelli laciniae laterales basi purp.-striolatae, callus aureus atro-purp. guttatus, sep. lateralia intus basi purpureo-maculata.

Gard. Chron. 1875. I. 396.

Oncidium annulare Rchb. f.

Bene aff. O. falcipetalo Ldl.

Sepalo summo transverse reniformi crispulo bene unguiculato basi auriculato; sep. later. subaequalib. paulo longiorib. sep. unguiculat. unguib. utrinq. auriculat. laminis sepalor. oblong. complicat. crispul. annulato cohaerentib. labello utrinq. basi auriculata ligulata e basi constricto; callo baseos interno utrinq. obtuse

tridentato, medio obtuse callosa, extus utrinq. lamella incumbente serrata; columnae auriculis triangul. retusis acicudentib. A simili B. aemulo secedit tep. annulat., a simili B. falcipetalo tep. multo latiorib. et callo ~~toto~~ coelo diverso.

Gard. Chron. 1875. I. 429.

<u>Masdevallia Spectrum Rchb.f.</u>
(Saccilabiatae) Racemosa, sep. ligulato triangul. caudat. sat angustis; caudis corpora sepalor. subaequantib. limbo et disco interno parce hispidulis et tuberculat. tep. ligulat. abbreviat. apice obtusangulo bivalvib. tumore hispido papuloso interjecto; labelli lacin. lateral. postice obtusangul. parv.; lacinia mediana oblonga

calcarata obtusa; carinula
angulata in quavis auricula basi-
lari, carin. membranac. excis.
3 per totam laciniam mediam
subparallelis approximat. col.
apice acuta denticulata. [illegible]

Gard. Chron. 1875. I. 460.

Masdevallia muscosa! [illegible]

Pedunculo hispido setoso 1floro,
florib. heterochromic. ovario dense
papilloso, sep. basi coalit. ~~sep.~~
sep. superiore triangulo longe
caudato, mento bene angulato,
sep. lat. triangul. aeque cau-
dat. sep. a basi lata lineari.
apice dilatat. setud. oblobat.
carnos. labello a basi cuneata
dilatato ovato retusiusculo apicu-
lato ciliolato, carina per basin
columnae pede in gibberes 2 supra
labelli unguem excurrente, col.

642.

Brevi, rostello [illegible].

Belongs to the group of M. Echidnae Oliptere[?] erinacea N. Granada auth. v. Shuttleworth.

Gard. Chron. 1875. I. 461.

Masdevallia Gustavi Rf.

(Amandae). Folio tenuissimo longe pedicellato, lanceol. obtuse acuto, racemo unum folium excedente, plurifloro, bract. cucullat. abbreviat. ovariis crispo alat. sepalo impari galeato, cauda laminam non aequante; sep. partb. multo angustiori cucullat. tep. curv. a cuneata basi dilatat. serrat. apice retuse tridentat. univeniis; lab. 3fido. lacin. lateral. medianis semioblong. obtuse acut. lacinia media ligulata obtusa

carinis 3 in lacinia antic.
elevato-(clavato?) incrassat.
col. gracili apice acuta.

Gard. Chron. 1875. I. 461.
Odontogloss. Weiri Rf.
Panicula ampla diffusa multiflora, ramis primariis validis,
bract. obl. acut. ovaria pedicelos aequantib. sep. cuneato-lanceol.
acut. sep. ~~obl~~ cuneato-obl.
acut. labelli carin. basilarib.
extrorse bilaminat. ligulat.
lobat. antice acut. carina.
parv. crass. 2 interposit.
call. lobat. crass. 3 antepo-
sit. falcis ~~falcibus~~ 3 extrorsis utrinq.
lamina labelli oblonga acuta
crispa velutina; col. clavata
labelli dimidium superante.
Near Odontogl. tetraplasium
N. Granada. — Weir.

6445.

Gard. Chron. 1875. I. 492.

Dendrobium marmoratum Rchb.

Eudendrobium aff. D. transp.

Caulib. nigrogriseis validioribus aequalib. (non nodatis) mento valde abbreviato retuso; labello a basi cuneata oblongo ciliato, basin versus dense f. breve velutino; col. brevissima apice tridentata, antro in basin c. angulo superiore mediano deorsum iminente anthera inornata.

Gard. Chron. 1875. I. 492.

Odontogloss. compactum Rchb.

Panicula valida compacta effusa, bract. spathac. obtusiusculis. ovaria pedicellata subdimidia aequantib. sep. pet. stellat. cuneato-obl. acuminat. labello a basi cuneata oblongo

acuminato-basi latiore, semi-
[illegible]to, apice reflexo; call.
oblong. in basi 2 antepositis
papulis 4, dein 3, dein 2; col:
clavata-basi dilatata.
Od. aureo-purpur. Rbch. fil.
Fol. quoad locum. Peruvia. [illegible]

Gard. Chron. 1875. II. 202.
Vanda undulata Rchb. f. Lindl.
Fol. ligulat. valde coriacea. apice
obtuse et inaequaliter bilob. racem.
pauciflor. florib. approximat. bract.
triangul. ovariis pedicellat. mul-
toties brevioribus. sep. pet. q cune-
ato-lanc. acut. undulat. reflex.
lab. trifido, lacin. later. semioblong.
ima basi c. col. brevi truncata
connat. fundo cymbiformi, lacinia
antica valde carnosa ~~gutturosa~~;
crassa triangula sub apice conica
carnosa gutturosa; callo depresso

647.

quadrato valde obscuro in
fundo; pilis quibusd. asperat. in
linea mediana superiore.

· V. undulata Ldl. Proc. Lin. Soc. III. 42.
Cream white, resp. green at the end.
Side lobes of the Lipp greenish
with brown stripes; middle
with a purplish line.
Ldl's Orig. Diagn. ist nach Zeichnung
Cathcart's gemacht.

Gard. Chron. 1875 I. 492.
[illegible]

[illegible]

labello utrinq. basi auriculato, lamina rotunda apiculata, callo 7-lobo in basi, col. utrinq. angulata. Flores purpurei.
Peru. Davis etc.

Gard. Chron. 1875. I. 524.
Odontogloss. praenitens. Rchb. f.
Pseudobulb. obl.-triangul. ancipitib. medio tandem tricostat. foliis terminali & foliis fulcientibus ligulat. acut. racemo plurifloro. sep. tep. q. oblong. acut. labello utrinq. basi angulato ungue lineari subito in laminam hastato-rotundatam denticulatam crispam dilatato; carinis 2 apice acut. basi confluentib. a basi in discum, callis acut. 2 extrors. utrinq. col. tripenna medio angulata alis rhombeis. — N. Granada
Od. ~~triumphans~~ × ~~tripudians~~ ???

649.

Gard. Chron. 1875-I. 558.

Odontogloss. tetraplasium Rf.

Panicula ampla diffusa multiflora, ramis primariis valid.; bract. spathac. oblong. acut. ovaria pedicellata dimidio aequantib. sep. tep.-q. linearib. acuminat. crispul. basi cuneat. labelli carin. basilarib. oblong. acut. serrat. carinul. integer. 2, carina mediana proxi[m]ali... divorum labelli versus, falculis 2 utrinq. superaddit. lamina obl. acuta undulata velutina col. clavata labelli 1/3 non aequante.

Affinis O. Weirii cf. S. 644.

Gard. Chron. 1875 I. 590.

Phalaenopsis casta Rf.

Radicib. rotundat. paulo ancipitib. raro asper. foliis P. Schillerianae

florib. P. amabilis Ldl. calli ejusdem, sep. summo & sep. purp. basi, sep. later. basi punctat. — P. Aphrodite Schilleriana.

Gard. Chron. 1875. I. 590.

<u>Masdevallia heteroptera Rchf.</u>

[illegible] 1 floro, flore [illegible] aperto, sep. superiore obl. ciliato in caudam brevem [illegible] attenuato, sep. inferiorib. basi [illegible] ligulat. apice in caudam [illegible] attenuat. tenuiss. [illegible] [illegible] muricolato - aspe[illegible] sep. cuneato oblong. apice [illegible] angulo [illegible] gibboso. Lab. [illegible] e basi [illegible] an[illegible] gulato, ligulato obtus[illegible] [illegible] 2 angulat. in parte

657.
antereo limbo antico crenulato, col. trigona apiculata. — N. Granada

Flowers totally open
Yellow sep. with numerous blotch spots & yellow tube — pet. whit.

Gard. Chron. 1875 I. 653. n. sp.

<u>Odontogloss. Murrellianum. n. hyb.</u>

Racemo laxifloro, sep. pet. lanceolat. acut. plan. labello ab. ungue late dilatato trilobo, lob. lat. semiovat. denticulat. lobo antice ligulato acute crenulato, lamell. supra lobos later. incrassatis adnat. extrorsum serrat. callis 2 oblong. dentat. c. carina mediana interposit. carina forcipata anteposita, columnae trigonae auricul. oblong. denticulat. (Od. nobile (Pescatorei) × naevium.

Flores albi, violaceo-purpureo

lacelli, maculis irregularib. obscure violaceo-purpureis. Calli labelli pallidissime flavi.
N-Granada.

Gard. Chron. 1875. I. 684.
Dendrob. rhodopterygium. Rf.
Omnino aff. D. Parishii. Pseudobulb. erect. elongat. gracilionb. sep. ligulato-triangul. sep. cuneato-obl. acut.; lab. oblongo antice retusiusculo lato, limbo antico velutino; disco non puberulo, sed minutissime asperulo, callo baseos bisulcato monte obtusangulo. — Moulmein Boxall.

Ohne die beiden Flecke aber mit zahlreichen braunen Streifen auf d. Seiten d. Lippe.

653.

Gard. Chron. 1875. I. 684.

Oncid. dactylopsterum Rf.

Pseudobulb. pyriformib. bene attenuat. vagos: monophyll. v. diphyllis: fol. line-lanc. acum. bene coriac: panicula pauciflor heterantha, sep. tep. q. paulo latiorib. oblongo-lanc. ovat. labello basi utrinq. acuminate obtus-angulo. auricul-basees obtusangul. dilatat. isthmo angusto lacinia antica reni formi paulo angustiore, carinis 4 in basi, papulis 2 antepositb. columnae alis bifidis, lacinia utraq. 2 v 3-crenata, tabulae infrastigmaticae alis papyraceis, rostello rostrato. — Flores flavi brunneo-guttulosi Militat inter Basilata Heteropteran. Ab omnib. alis columnae fissis recedit. — Ocaña.

New or Noteworthy Plants.

ONCIDIUM LEOPOLDIANUM, *Rolfe, n.sp.**

This is a noble and very handsome Oncidium which has recently been introduced by Messrs. Linden, L'Horticulture Internationale, Parc Leopold, Brussels, from some part of the Andes. It belongs to the Cyrtochilum section, and will stand near O. corynephorum, Lindl. The peduncle is said to attain a length of several mètres, and to bear as many as 300 flowers. Two branches of the panicle with fourteen dried flowers are before me, with a sketch in water-colours made by the collector. The dried flowers measure 1⅝ inches across in their broadest diameter, and the colours, as represented in the sketch, are very attractive. The sepals and petals are white, each with a large purple disc, the lip violet-purple, with the disc and part of the column yellow. Although changed in drying, these colours are still evident in the dried specimens. Living plants are also introduced, but they have not yet flowered in Europe. When it becomes established in cultivation it will be a great acquisition, on account of its large panicle of flowers, and the contrast of colour it presents to so many other Oncidiums. It is dedicated to His Majesty Leopold II., King of the Belgians. O. corynephorum Lindl., its nearest ally, is readily distinguished by its broadly rounded lip, and other characters. It is somewhat curious that the last-named plant, which evidently possesses similar colours, should not have been introduced to cultivation. The reason may be that species of this section are notoriously difficult to import alive, and have only become common during a comparatively recent period. Several other fine species yet remain to be introduced. *R. A. Rolfe.*

625.

New Plants

NEW ORCHIDS.

The third decade of new Orchids, described by Mr. Rolfe in the September number of the *Kew Bulletin*, consists of the following species, which, with one exception, are in cultivation in the various European collections :—

1. *Pleurothallis stenosepala.*—A species allied to P. cardium, Rchb. f., but differing in its much longer and narrower light green sepals. It has flowered at Kew, and with R. J. Measures, Esq., Cambridge Lodge, Flodden Road, Camberwell. The petals are also light green, and the lip light brownish-buff (p. 208).

2. *Lepanthes gracilis.*—A graceful little species, which recently flowered at Kew from some unknown source. It has bright yellow flowers, with some purple on the petals and column. It is allied to L. concinna, Sw. (p. 208).

3. *Restrepia bidentata.*—A remarkable little plant, which flowered in the Glasnevin Botanic Garden, differing from every other in having a pair of stipule-like teeth on the petals. The flowers are small, and variegated with brownish-purple and yellow on a paler ground. Its habitat is not known (p. 208).

4. *Cœlogyne flexuosa.*—A Javan species, which has recently flowered both at Glasnevin and Kew. It belongs to Lindley's group, Flexuosæ, and is characterised by its hexangular ovary. The flowers are white, with a yellow stain on the lip (p. 209).

5. *Epidendrum bituberculatum.*—A species allied to E. Schomburgkii, Lindl., but with smaller rosy-purple flowers, and a pair of yellow calli at the base of the lip. It flowered in the collection of Sir Trevor Lawrence, Bart., M.P., at Burford Lodge, Dorking. Its habitat is not recorded (p. 209).

6. *Maxillaria glumacea.* — A brilliant species, allied to M. aciantha, Rchb. f., and M. coriacea, Rodr., characterised by its glume-like, acute, rigid sepals, which, with the petals, are yellowish-green in colour, and the lip maroon-purple, blackish-brown, and yellow. The scapes are clothed with imbricating sheaths (p. 210).

7. *Aspasia Barclayi.*—A small species, which flowered with W. L. Barclay, Esq., of The Briars, Reigate. It is allied to A. principissa, Rchb. f., and A. psittacina, Rchb. f. The segments are pale yellow-green, with somewhat darker bands, and the lip white, with some light purple and yellow near the base. Its habitat is not recorded (p. 210).

8. *Oncidium cristatum.*—A Brazilian species, which flowered with Messrs. Linden, L'Horticulture Internationale, Brussels. It has a somewhat twining scape, like O. Schillerianum, Rchb. f., and O. volvox, Rchb. f., to which it is allied. The narrow reflexed sepals and petals are of a clear, bright yellow, with darker lip and column-wings, the former having some red-brown dots on either side of the crest (p. 210).

9. *Cypripedium pusillum.*—A curious little species near the Californian C. fasciculatum, Kellog, believed to be a native of Florida. It has a pair of elliptical-oblong leaves, and a short raceme of light yellow flowers, with some brownish-purple veins. It recently flowered at Kew, and with H. J. Elwes, Esq., of Cirencester, and Messrs. F. Sander & Co., of St. Albans (p. 211).

10. *Cypripedium Henryi.*—A Chinese species of the Foliosæ section, allied to the Himalayan C. cordiferum, Don, but with flowers in racemes, and other differences. It is described from dried specimens, collected by Dr. Aug. Henry, but the flowers are believed to be greenish-yellow, with a paler lip. It is not in cultivation (p. 211).

From the "Gardeners' Chronicle," Sept. 24, 1892, *p.* 364.

New Orchids.

The second decade of new Orchids described by Mr. Rolfe appears in the May-June number of the *Kew Bulletin.* With one exception, the species are represented in European collections, as will be seen below:—

1. *Pleurothallis subulata.*—A species allied to P. cardiothallis, Rchb. f., with cordate-oblong leaves and dark lurid-purple flowers, from the collection of Baron Hruby, of Peckau, Bohemia. Its native country is not recorded (p. 137).

657

2. *Restrepia ecuadorensis.*—An Ecuadorean species of the affinity of R. antennifera, Kunth, but with shorter lateral sepals and other differences, though with a general resemblance in coloration. It was imported by Messrs. F. Sander & Co., of St. Albans, and flowered in their collection (p. 138).

3. *Restrepia Shuttleworthii.*—A small, brightly-coloured Andine species, sent to Kew for determination by Messrs. Charlesworth, Shuttleworth & Co., of Heaton, Bradford, in March, 1891. It is allied to the Guatemalan R. xanthophthalma, Rchb. f., but the flowers are more heavily marked with crimson-purple blotches, and other differences. A plant from the same source flowered in the Kew collection in March of the present year (p. 138).

4. *Dendrobium platycaulon.* — A very singular species, allied to D. lamellatum, Lindl., but with the flowers twice as large, and a very different lip. The curiously-flattened pseudobulbs bear from three to five leaves near the apex, and racemes of three to six straw-coloured flowers. It is a native of the Philippine Islands, and was introduced by Messrs. F. Sander & Co., of St. Albans (p. 139).

5. *Bulbophyllum densiflorum.* — A small species allied to B. triste, Rchb. f., but with a longer raceme of yellow, not deep purple, flowers. It is a native of the Eastern Himalayas, and was sent to Kew for determination by Mr. Nelson Campany, The Gardens, Thedden Grange, Alton, Hants (p. 139).

6. *Eria cristata.*—A pretty little species belonging to the section Cylindrolobus, and allied to E. marginata, Rolfe. The flowers are white, with some yellow markings on the lip, and a hairy crest at the base of the front lobe, in allusion to which the name is given. It is a native of Moulmein, whence it was sent to Kew by Mr. C. Peché in 1882 (p. 139).

7. *Odontoglossum auriculatum.* — A pretty little species allied to O. Lindleyanum, Rchb. f., but differing in its hastately-trilobed lip, the disc of which is light purple instead of brown. It was imported by Messrs. F. Sander & Co., of St. Albans, together with O. nævium, Lindl. The name is given in allusion to the ear-like side-lobes of the lip (p. 140).

8. *Odontoglossum guttatum.*—An interesting species allied to O. odoratum, Lindl., but with fimbriate column-wings, and light-yellow flowers, irregularly blotched with chocolate. Its fimbriate column-wings recall O. crocidipterum and O. præstans, which are different in other respects. It is a native of Ocaña, whence it was introduced in 1886 as O. blandum, Rchb. f. It flowered with G. R. le Doux, Esq., of Langton House, East Molesey, in March, 1892, and a plant has been presented by him to the Kew collection (p. 140).

9. *Vanilla ensifolia.*—A species from the Cauca province of New Granada, characterised by its narrow sword-like leaves. It is described from dried specimens at Kew and in the Herbarium of the Pharmaceutical Society (p. 141).

10. *Spiranthes olivacea.*—A small species with dark olive-green leaves, marked with a few white spots, and light olive-green flowers, tipped with light pink, and a whitish lip. It was introduced from North Peru by Messrs. Charlesworth, Shuttleworth & Co., of Heaton, Bradford. A plant presented by them to Kew flowered in March of the present year (p. 141).

We also observe a new genus of Orchids, described by the same author, from a collection of Solomon Island plants recently made by the Rev. R. B. Comins. It belongs to the Anæctochilus group, and has handsome red and green leaves. It is said to be allied to the genus Macodes, and is called Pseudo-macodes Cominsii.

From the " Gardeners' Chronicle," Aug. 6, 1892, *p.* 150.

Gard. Chron. 1874. I. 14.
Cymbidium longifolium Don / Ref.
(Gigantea) Fol. lineari-ensiformib. (ultra 2'), inferne bene nervosis; pedunc. erectiusculo v. subnutante pluriflor, grandifloro a basi medium usq.

659
distiche scariose vaginato, vagin. tri
angul. acut. ancipitib, racemo
plurifl. bract. triangul. minut. prope
obliterat. floris mento gibboso,
haud mult. conspicuo, perigonio
carnosulo, sep. ligulat. acut. tep.
subaequalib. nunc apicem versus
paulum dilatat. labello imae basi
columnae adnato ab ungue obl.
apice trifido, lacin. later. triangul.
lacinia mediana latiore reniovata
acutiuscula subcordata non crispa,
carinis 2 per discum in basin
laciniae mediae antice confluen.
tib. toto labello pasie velutino,
col. clavata, caudicula utrinq.
extrors. aristata. — Sep. tep. q. olivaceo
intus cinnamomeo striata, extus eiodem
lineis lavata; lab. alboflavid. venis
in lacin. later. cinnamom. lacinia
mediana cinnamom. Nunc Jenuit
cf. Ldl. Orch. p. 163.

Gard. Chron. 1874. I. 372.

Masdevallia inaequalis. Rf.

(Triangulares) Flore tenuissimo, sep. basi bene conat. expans. sep. dorsali 2plo majore in caudam filiformem exeunte, sep. later. 2plo minorib. homomorphis, porrect. tep. ligulat. obtus. carnos. convolut. apice muriculat. basi inferiore obtusangul. linea interne carinat. lab. subtriangulo dimidio inferiore utrinq. obtusangulo, antice angustiore triangulo obtuso, toto disco muricata, carina subcirculari ~~pinnata~~ sinuata in disco, col. semitrigona arcuata. — N. Granada — Patin.

Gard. Chron. 1874 I. ~~372~~ 406.

~~Masdevallia~~ Dendrob. suavissimum Rf.

Aff. D. Chrysotoxo Ldl. Pseudobulb. longius stipitat. cuneato-fusiformib. obtuse angulat. fol. cuneato-obl. ligulat. acut. sep. ligulat. acut. tep.

cuneato-obl. acut; lab. a basi cuneato-oblongo rotundo emarginato ciliolato, densissime asperulo-hispido (aureo, disco pulcherrime obscure sanguineo)

Gard. Chron. 1877. I. 486

Odontogloss. velleum. Rf.

Sep. sep. q. cuneato-obl. breve aristat. labelli ungue basi complicato ascendente, lamina hastato-oblonga antice dilatata obtusa c. apiculo, crispula, carina angulata brevi in basi, carin. 2 validiorib. antepositi. disco pilis crebris onusto; col. vertice utrinq. antice ampliata juxta foveam; linea utrinq. alae locum indicante.

Sep. & pet. yellow with brown streaks & spots. Lip whitish with many violaceous stripes & blotches as in Helcia flower being as large

as that of Aspasia variegata Ecuador. I know not about the inflorescence. The bulbs are said to be narrow & flat; & the leaves about 6" long.

Gard. Chron. 1874. I. 406.
Kefersteinia gemma. Rf.
Sep. ligulat. obtus. sepp. subrhombeis obtus. labello transverse rhombeo antice denticulato crispo, emarginato callo basilari bifido, laciniis acut. col. juxta foveam atrimq. obtusangula.
Zygopetalum gemma. Rf.
Sep. & pet. apparently ~~whitish~~ very pallid without any spot perhaps white; lip no doubt of fine colour with numerous dark little blotches. Blüten so gross wie bei K. sanguinolenta. Vallis & Patin dict.

663.

Gard. Chron. 1874: I. 755.

Pescatorea Roezlii Rf.

Aff. P. Dayanae & Wallisii. Sep. obl. acutiuscul. sep. cuneato-obovat. apiculat.; labelli hypochilio rhomboideo transverso paucicrenato, utrinq. extus retrorsum minute uncinato, epichilio ovato, limbo reflexo, apice emarginato ~~bicru~~ bicruri, cruribus triangul. caudam hirundinis aemulantib., col. aequali basi utrinq. angulata.

Flower rather large > P. Dayana from a sketch – flow. white anter. part of all segments ~~pale~~ with violaceous lilac. Discovered by ? ? Wallis ?

Gard. Chron. 1874. I. 786.

Galeandra minax. Rf.

Aff. G. Devoni. Sep. Pet. q. ligulat. acut. reflex. lab. flagellato trilobo, lobo antico emarginato, carin.

angulat. carnosul. 2 in disco interposit. lineis pilos. anthera extinctoriiformi apice dilatata retusa, rostelli brachiis pilosis. laminis & brachiis a G. dicta receds.

Habit of a Cataractum. Raceme few flowered. sep & pet. yellowish copper coloured lip yellowish white, more yellow on the sides. 7 purplish approximate lines on the base of the middle lobe.

Gard. Chron. 1874. II. 6.

Phalaenopsis fasciata Rchf.

Aff. Ph. cornu-cervi. Radicib. brevib. fol. amplissim. obl. obtuse acut. (peduncula certissime Ph. cornu cervi?) florib. mediocrib. illos speciei dictae aequantib. sep. obl. oblata acut. sep. cuneato-obl. obtus. labello tripartito, partitionib. lateralib. ligulat. retus. utrinq.

unidentatis, latere inferiore medio umbonatis, partitione media oblonga acuta, per medium carinata, callo bidentato in basi, postposita ligula cristata utrinq. col. basi exangulata.
Flowers yellowish mottled with brown & very fleshy.
Malayan Peninsula.

Gard. Chron. 1874. I. 33.
Bollea Lalindei. Rf.
Aff. B. violaceae ~~Ldl.~~ Rf. Fol. angaste cuneato-ligulat. acut. floribus solitariis. Sep. lat. obl.-triangul. sep. lat. oblong.-triangul-planis, lab. a basi hastato triangulo antice utrinq. implicito, hinc quasi grosse tridentato, sinubus inter dentes obtusangulis, callo in disco multisulcato, sulcis rugosis. col. angustiore utrinq.

angulata angulo deorsum verso.
Colour beautif. bright violet lip deep orange column deep purplish.

Gard. Chron. 1874. II. 37.
Bollea Patini. Rf.
Aff. B. violaceae Rf. Fol. late cuneato-obl.-ligulat. acut. flerib.-solitariis, sep. oblong. attenuat. Sep. triangulo-ligulat. paulo undulat. labello a basi hastato triangulo antice utrinq. replicato callo transverso in disco multisulcato jugis ~~...~~ rugosis, col. amplissima medio utrinq. extrorsum obtusangula.
Flower larger than in B. Lalindei yet not nearly so bright in colour. Sep & pet pallid blue. Upper sep. & inferior halves of pet. yellow like the lip.

667.

Gard. Chron. 1874. II. 98.

Masdevallia Houtteana. Rf.

Dense caespitosa. Fol. longe attenuat.
lin.-lanceol. acut. pedunc. 1-flor.
supra basin vaginat. validior.
bract. cucullata pedicello multo
breviore, flore aperto; sep. semi
ovato-triangul. longe caudat.
caud. latiuscul. superficie in-
terna hispidul. Sep. basi utrinq.
angulat. dein spatulat. obtus.
apice tetrapterio: labello basi
utrinq. angulato carinae angu-
lata intus; lacinia antica dila-
tata subreniformi, limbo involu-
tione subsaccato, carina 1 per
~~[illegible]~~ medium, col. apice porrecta
acuta. — Flowers white inside with
purplish spots, tails purplish
Colinde det. of Patin.

Gard. Chron. 1874. II. 98.
<u>Masdev. velifera. Rchb.f.</u>
Valde aff. M. Mastodonti Rchb.f. Perigonii tubo vasto, mento obtusangulo ventricoso; sep. superiore triangulo longe caudato, sep. inferiorib. longe ligulato connatis apice in triangula 2 cuspidata caudata extenso; tep. ligulat. ~~antice~~ apice inique obtuse bilob. medio inferiore obtusangul. carin versus verrucos. lab. obl. retuso medio utrinq. obtusangulo dilatato, ciliato & acute papuloso; col. trigona androclinii limbo postico quadrato superne lobuloso.
It may be yellowish brown. Near in the way of M. Mastodon or of a coriacea. — Patin.

Gard. Chron. 1874. II. 98.
<u>Epidendrum Favoris. Rchb.f.</u>
Pseudobulb. dense aggregat. a basi lata

lata triangular- compressi ancipitib.
glauc. monophyll. folio cuneato
oblongo acuto glauco; spatha anci-
pite ligulata acuta, pedunculi
1/4 subaequante; pedunc. apice race-
moso; sep. oblong. obtus. pet.
subaequalib. lab. transverse semi-
~~emarginato~~ ovato (~~si maxime trans-~~
~~verse rhombeo~~ utrinq. antror-
sum acuto, medio prosiliente semi-
oblongo emarginato (si mavis trans-
verse rhombeo apice emarginato
apicib. lateral. antrorsis) callo
depresso in basi antice trilobo,
papula in medio; col. crassa
trifida; lacin. lateral. lat. retusis.

Very near Ep. bidentatum
(later Boothianum Ldl.) but very
distinct by the shape of the lip & by
the 1-leafed bulbs. Flowers small
yellowish mottled with brown.

Mexico.

Gard. Chron. 1874 II. 162.

Dendrob. erythroxanthum. Rf.

(Pedilonum aff. D. Bullenianus)

Racemo denifloro capitato, sepalo dorsali & sep. ovat.-acut. sep. lateral. oblong-acut. in cornu extinctoriiforme acutum extensis; lab. longe unguiculato antice oblongo acuto, plica calloso semilunari transversa in ungue basin versus; col. apice trifida; lacin. lateral. triangulis, lacinia postica subulata, antro parvo antice in basi, anthera basi supra rostellum antice penicillata. — Philippinen.

Flowers orange striped with purple.

Gard. Chron. 1874. II. 162.

Bulbophyllum gracile Par. & Rf.

Pseudobulb. dense aggregat. depresso sphaeric. multifaveosis; pedunc. capillari basi vaginis promi. acut.

distantib. apice longe racemoso subrepilhames; bract. triangulo-setaceis ovaria pedicellata hispida subaequantib.; sep. triangul. 3+5-nerviis extus hispidulis pet. linearib. 1-nerviis, labello cordato ligulato obtuse acuto ancipite, columnaf triseta, setis anticis longioribus.

Gard. Chron. 1874. II. 162.
Cattleya iricolor. Rf.
Habitu C. Morrisee! Racemo bifloro, sep. ligulat. acut. labello deflex. sep. cuneato-ligulat. acut. labell. amplo medio trilobo, lob. laterel.-obtusangul. lobo antico semioblongo obtuse acuto, sinubus inter lobos crispis, col. trigona, antice valde excavata, andrclinio cucullato immerso.

Sep. rather narrow pallid sulphur coloured, pet. nearly equal. lip similar ground colour with a zigzag band of dark orange ~~brown~~ & numerous violet lines both before the zigzag line & behind. ~~somewhat~~ larger than C. Skinneri & perhaps to compare to a small flowered Laelia grandis.

Gard. Chron. 1874. II. 194.

<u>Lycaste Dowiana Rchb f & Endrer</u>

Pedunculo pauci vaginato 1-floro bract. cucullata oblique acuta ampla ovario distincte breviore, mento retrorso bene evoluto; sep. summo ligulato acuto, sep. lateral. latioribus ligulat. acut. Sep. cuneato-oblong. acut. lab. cuneato dilatato antice trifido; lacin. later. obtusangulis: lacinia media angusta oblonga serrulata, plica utring. 1 media inter

inter angulos et basin labelli. callo depresso lineari antice obtuso marginato in disco ab regione antebasilari ad basin laciniae mediae. — Habitus Z. macrophyllae Ldl sed omnib. partib. minor. Sep. extus olivacea intus brunea; Sep. alboflavida labell. albidoflavid. punctis brunneis supra callum ex striis radiantib. a basi utrinq. marginem versus, striae quaedam atrobrunneae in basi antica columnae subviolaceae; anthera apice velutina. — Costa Rica — Warscewicz.

Gard. Chron. 1874. II. 290.
Zygopetal. Sedeni n. hybr. Rchf.
Z. Mackayi × maxillare
Habitu Z. Mackayi, „rhizomate non ascendente". Fol. cuneato-lanceol. acuminat. „pedunculo ex cauliculo

novello" bifloro, bractea spatha-cea ovario breviore, sep. ligulat. acut. lab. trifido; lacin. labelli lateralib. triangulis erect. callo ornat. lacinia media dilatata flabellato lobulata subtilissime velutina, callo oblongo acuto 9-carinato, excavato; pagina inferiore pro majore parte libera, ascendente; col. trigona supra carin. utrinq. angulata.

Gard. Chron. 1874. II. 290.
Masdevallia polysticta. Rchb.f.
(Amandae) Racemo plurifloro forib. paulo distantib. bract. cucullat. 1-nerv. ovaria superantib. cyatho (sc. perigonii externa parte coalit.) abbreviato, mento obtusangulo regione antementali intrusa, sepali supremi parte libera late triangula lateribus pilis fimbriata

dorso carinata cauda longior producta, sep. later. aequalib. minorib. sep. omnib. parce ciliat piloris; sep. ligulat. apice retuso e apiculo, sursum serrat. trinerviis; labelli lacin. later. angust. oblong. antice supra lacin. mediam incilianteb. lacin antica quadrata apiculata, columnae androclinio superne serrato.

Gard. Chron. 1874. II. 291.

Polystachya abbreviata Rf.

Pseudobulb. pyriformib. diphyll. foliis ligulat. acut. pedunculo racemoso plurifloro racemoso densifloro; bract. triangul. acut. ovarii dimidia non aequantib. mento obtusangulo; sep. dorsali triangulo acuto, sep. later. multo latiorib.; sep. linear. acut. labello flabellato antice trilobo; lobis

laterálib. oblaratis lobo medio brevissimo retuso, pulvinari cordiformi pilorum fragilium in basi, anteposito disco pilorum triangulo.
Imported with Laelia pumila (latt. marginata) allied to Polyst. ~~pörtensis~~ au & like P. cerea. It differs from any known species by the very curious lip, with its nearly obsolete anterior lobe. The cushions of fragile hairs are very original.
Colnl Strickland, Hildenley, Malton.

Gard. Chron. 1874. II. 322.
Masdevallia calopterа Rf.
(Amandae) Racemo pluri floro secundi floro; bract. maxim. ovat. apiculat. uninerviis; ovaria pedicellata excedentib. cyathi mento propre secto regione antemeatali indrusa, sepalo dorsali libero ovato triangulo seta longa breviore,

per dorsum carinato; sep. late-ralib. angustiorib. aeque longius caudatis; sep. ligulat. antice dilatat. apice emarginat. cum apiculo, laterib. antrorsum serratis; labello labiculo trifido; lacin. lateral. obtusangul. insilientib. in laciniam anticam propsa pentangulam vi. quadratam apiculatam, linea semicirculari incrassata in disco; col. dorso apice acuta.

Flowers very numerous small whitish. Violet line around the sepals. Collect. by Roezl with M. polysticta, melanopus & pachyura.

Gard. Chron. 1874. II. 322.

Masdevallia melanopus Rf.
(Amandae) Racemo secundifloro, bract. oblong. acut. uninerviis; ovaria pedicellata subaequantib.

variis obscure coloratis; cornis ~~obovat.~~ crenulat. cyatho elongato curvo, mento antrorso; sepalo supremo brevissimo libero in setam obscure coloratam multo longiorem extenso, dorso carinato; sepa. lateral. subaequalib. angustiorib. sep. ligulat. apice trifidis, lacinia media acuta, lacin. later. extrorsum serratis; callo triangulo umbonato in latere antico; labelli laciniis semioblongis antice transsilientib. in laminam mediam ligulatam acutam; col. cucullata serrulata.

Flowers whitish all directed to one side. Ovary base of perigone & the 3 bristles are dark, perhaps greenish-black or brownish black. There are also some small dots of same colour over the perigone but they are only well seen with a lens.

679.

Gard. Chron. 1874. II. 322.

Masdevallia pachyura Rf.

(Amandae) Racemo plurifloro bract. ovat-acut. ovario aequantib. perigonia ad 1/3 in cyathum connato, mento antrorso, regione antementali introrsa; sepalo superiore libero late triangulo in aristam crassam aequilongam expanso; sep. later. liberis angustioriib. externum aequalib. sepp. ligulat. obtus. ~~[illegible]~~ aristatis utrinq. apicem versus serratis; labello trifido, lacin. lateral. ligulat. oblongis, lacinia antica oblonga obtusa acuta lineis incrassatis 2. — A nice small-flowered but racemose Mard. with yellow flowers covered with numerous brownish red spots. One of M. Roezl's discoveries.

Gard. Chron. 1874. II. 322.

Masdevallia Livingstoneana Rf.

(Clausae porrectae

Caespitosa; fol. spathulato-obovat. retusiusculis obturato-emarginatis; peduncul. unifloris, perigonii externi cyatho elongato, sepalo libero superiore lineari-ligulato; sep. lateral. liberis triangulo-deflex. Flores ochraceo-virides; sep. dorsali liberi bruneo sep. lateral. basi obscure oculatis apice brunneis, ceterum superne albidis. — Discovered in Panama by Mr. Roezl.

Gard. Chron. 1874. II. 322.

Gongora cassidea. Rf.

Racemo deflexo pendulo, fracti-flexo. plurifloro ovariis in pedicellis longissime arcuat. florib. conspicuis illos G. galeatae superantib.

sepalo summo transverso ovato apiculato galeato latissimo; sep. later. obl. acut. retrorsum replicat.; sepp. pandurato-ligulat. cristatis in basi columnae, labelli ungue lato; lacin. postic. ligulat. oblique uncatis antice acut. postice bidentat. s. edentulis lobat. antice basi confluentib. membrana antice plicis 2 sub forma cunei erecti emarginati prosiliente; lacinia antica ligulata bene bifida lacinulis ligulatis apiculo in sinu; column. utrinq. obtusangulo expansa juxta foveam rostello subulato; Flores pallide citrini labelli lacin. later. & ungue purpureo zebrinis s. labello vitellino, lacin. lateral. & apice lacinularum anticar. violaceo purpureis. — N. Granada — Nicaragua.

Gard. Chron. 1874. I. 354.
Dendrobium articulier. Rf.
(Eudendrobium?) Pseudobulbo
brevi gracili demum nitido, juxta
apicem articulorum paulo
incrassato; flore maximo; sep.
pet.q. linearib. obtuse acut. elon-
gat. labello panduralo antror-
sum angustato obtuso; carinis
elevat. 2 in basi col. minuta
tridentata; mento parvo obtus-
angulo. — Burmah
Scheint weiss zu blühen mit grossem
lilac Fleck auf d. Lippe.

Gard. Chron. 1874. II. 452.
Aganisia fimbriata. Rf.
(Scandentes), Pseudobulb. ampl.
fusiformib. in caule stricto distichis
fol. obl.-lanceolat. acut. 3; pedun-
culo porrecto; pauci floro, bract.
triangul. brevissimis; sep. oblong.

Sep. subaequalib. labelli hypochilio parvo unguiculato saccato utrinq. angulato, callo anteposito crasso subtriangulo utrinq. tridentato, apice retuso tridentato, epichilio saccato marginib. fimbriato; column. apice utrinq. acutangula; anthera apiculata; sep. citrolenia sep. & epichilium aquore violacea, reliqua alba.

Stem 1/4 - 3/8" thick. pseudobulbs 2" apart, alternate 1 1/2" wide. Leaves leathery, reminding a weakly grown Coelogyne. Demerara.

Gard. Chron. 1874. II. 484.

<u>Houlletia Lowiana. Rf.</u>

Pedunculo porrecto 1-3-floro, bract. obl.-ligulat. acut. punctulat. ovariis pedicellat. longe brevioribus;

labelli hypochilio ab ungue rulito semilunari, alis utrinq. arrect. apice aristat. ante apicem obtusangul. epichilio supposito parvo rhombeo, subtriangulo. col. clavata rostello tridentato, pollinarii caudicula elongata. — Pseudobulb. abbreviato-pyriformis nitidus rugis quibusd. longitudinalib. diphyllus, folia plicata lanceolata acuminata, pedunc(ul). usque 3 flor. bract. vaginaeform. ovariis pedicellat. bene breviores; sep. obl. acuta concava; sep. cuneato-rhombea obtusangula hypochil. sellaeforme basi ante columnam vallus tabularis erectus brevis antice ligula obtusa biloba supra epichilium expansa; lacin. lat. semilunatae aristato-acuminatae columnam aequantes; epichil. cuneato-oblong. acutum [illegible] angulatum; col. trigona supra ampliata; anthera oblonga [illegible];

pollinia pyriformia extus fissa caudicula ligulata, glandula obtusa rhombea.

Steht intermediär zwischen Houlletia & Peristeria. The flowers would be covered by a crown piece, they are of an ivory-like substance yellowish white to cream colour with some deeper sulphur yellow at the base of the later. wings of the hypochile.

Gard. Chron. 1874. II. 582.

Phalaenopsis Esmeralda Rf.

Fol. oblongo-ligulat. acut. (subtus asperis) pedunculo Phalaenopsidum floribus illos P. equestris Rf. subaequantib. sep. oblong. obtus. sep. subaequalib. Labelli ungue utrinq. medio ligula lineari obtusa porrecta parva; antice lamella depressa bicrenata, lacinia media ligulata obtuse acuta porrecta

angustiore, plica transversa in disco ante basin; androclinio postice cucullato; rostello ornithorrhyncho pollinis 4 liberis.
15-20 Flt on 1 Spike amethyst fab.

Gard. Chron. 1874. II. 614.
Dendrobium acrophale Rf.
(Stachyobium) Caule valido bene sulcato compresso, fol. cuneato-obl. acuminat. valid. racem. abbreviat. pluriflor. bract. obl. ovaria pedicellata vix aequantib. sep. ligulat. acut. sep. rhomb. labello ab ungue barbato triangulo acuto, col. apice tri-dentata, basi antice excavata calcari spurio cylindrato obtuso ovarium pedicellat. aequante.
In the way of D. microglaphys
Flowers Eria-like whitish with brown like an Eria but & Poll not 8.'

687.

Gard. Chron. 1874. II. 748.

Odontoglossum lacerum Lindl.

Pseudobulb. pyriformib. compress. fol. cuneato-ligulat. acut. pedunculo subpaniculato distantifloro, sep. tep. q. cuneato-obl. acuminat. lab. unguiculato; lamina cuneato-oblonga acuta s. acuminata, antice utring. lacero serrata; carinis 2 in laminae basi antice acut. apiculo interjecto, apiculo antice utring., apicalis 2 extrorsis altius insertis col. gracili medio angulata, apice alis semioblong. lobat. – Flores illis Od. Lindleyani Rf. majores intense flavi, macul. magnis brunneis intus in sepalis, paucis bari in teps.

Leaves 11" long upwards 1" br.

cf Walp. VI. 843.

Gard. Chron. 1874. II. 772.

Ornithidium stramatum Endr. & Rchb. f.

(Acaulia disepala) Pseudobulb: ligulat. densissime aggregat. basi plurivaginat. monophyll. foliis petiolat. lineari-ligulat. apice obtuse bilob. c: apiculo, pedunculo. 1-floris solitariis s. plurib. ex vaginis, bract. cucullata ovarium pedicellatum omnino tegente; sep. supremo ligulato, acuto, sep. lateral. exiluro apice coalitis, basi in calcar spurium sub ovario canaliculatum extensis; tep. linearib. acut. labell. apiculato c: pede lineari semisigmoideo columnae omnino continuo, scaphiformi trilobo, lob. later. oblong., lobo antico transverso brevi acuto callo depresso bidentato ante apicem; col. trigona utrinq. sub fovea

angulata, anthera apice minute bidentata. – Flores lutei, labelli apex flavus, anthera violacea. – Costa Rica – Endres.

Gard. Chron. 1874. II. 772.

Pleurothallis macroblepharis Rf.

(Apodae caespitosae) Fol. petiolat. cuneato-obl. obtusat. obscure tridentat. pedunc. capillarib. longe exsert. parviflor. distantiflor. bract. triangul. abbreviat., sep. triangulo ovat. aristat. parce hinc ciliat. dorso carinat. lep. a latiore basi bene longeque ciliarib. aristat. aequilongis labello breviore unguiculato ligulato ante basin utrinq. obtus-angule auriculato, obtusangulo retuso antrorsum multipapuloso, multiciliato barbato, carina triangula dependente in basi

paginae inferioris (!) columna clavata androclinio triangulo serrulato, callo triangulo in basi ante labelli unguem; — Sep. lateralia basi plus minus coalita. Flores albo-carminei seriebus macularum atropurpurear. — Roezl. — Nord Peru
Kinzloff Unauerlingen colunt.

Gard. Chron. 1874. II. 804.
Odontoglossum madrense Rf.
Aff. Od. nebuloso Ldl. Pseudobulb. ligulat. ancipitib. diphyllis s. monophyll. fol. lorat. acut. pedunculo porrecto pauci-floro, bract. triangul. acuminat. ovaria pedicellata subaequantib. sep. linearib. acuminat. dorso carinat. Sep. multo latiorib. oblong. apiculat. labello optime unguiculato, callo velutino oblongo antice

retuso bipapuloso papulis collateralib., callis latenb. erect. lamina triangula acumi bene cuspidata, basi utrinq. obtus-angula crenulata. — Flores lactei maculis in basi sepalor. brunneis, macul. majorib. in basi sepalor. Callus & discus laminae labelli flavi. — Mexico. Sierra Madre. Die Bulben erinnern an die von Trichopilia. Entdeckt von Mr. B. Roezl.

Miquel Prolusio fl. Jap. p. 135

<u>Liparis auriculata. Bl.</u>

Caulis basi subincrassat. scarioso-vaginat. fol. 2 petiolis alat., lato-ovata brevi-acuta. pedunc. angulat. angulis alulato-marginatis. capsulae breviter pedicellat. adpressae ellipsoideo-oblong. bracteae ovato-subulatae.

Fol. 3-4 2/3" long. tenera nervis

non omnib. e basi orbis multiplici (9) nervia (in L. nervosa nervi distinctior. 5-7) Pedunc. usque ad racem 6-7" long. angulis obtuso. & acut. Racem. fructifer 2-2½" lon. Capsulae circit. ½ pollicaris in perigonii rudimentis superstitibus Sep. lanceol. acut. Pet. lato-linear. Gynostem. longulum incurv. Kuerger delevit.

Flora. 1872. p. 276

Herminium Josephi. Rf. l. c.: Pumilum usq. 6" alt. tuberidis gemin. sphaeric. fol. gemin. cuneato-ligulat. acut. vagina l lamina sub racemo densifloro, bract. 3angul. ovaria longe non aequantib. sep. 3angul. Sep. ovato-rhomb. acuminat. lab. obl. acuminato. Sikkim. ~~Long~~ Leg. Hook.

Journ. of bot. New Ser. III (XII) p. 196 f. 4.

Hemipilia calophylla. Parr. R. f. l.c. 197

Folio tenui cuneato obl. s. rotund. acut. brunneo-marmorato. pedunc. tenui 1-vaginato apice racemoso 00flora. bract. tangulis ovat. ovaria pedicellata longe non aequantib. sep. triangul. sepalo outimo quidam minus attenuato, sep. triangulis minus acut. Lab. obl. s. obovato antice rectinsc. emarginato undulato; calcare conico ovario [illegible] breviore, ...cesso rostellari incurvato ascendente, cruribq stigmatic. minut. inclusis.

Flower white with green lips. to the sep & pet. the lip is purplish & flowers wholly purplish [illegible]. Differences I. the cuneate leaf & the very distinct conical spur

Bot. Ztg. 1856 p 514 694.

Oncidium Rhinoceros Rchb. f.

Disepala micropetala.
Aff. O. unicorni Ldl. labelli lobo
inser. ligulato cornu insacto.
Ramus paniculae valde fractiflexus
tenuis. Sep. dors. fornicat gynoste-
mio adpressum. Sep. lateral. api-
cem usque connata sibi imbricantia
Pet. cuneata obl. obtusacuta Lab.
ab ungue dilatatū utrinque divari
cato-auriculat. antice in ligulam
producta, carina transversa medio
acutiuscula in basi anteposito
cornu retrorsū uncinato aequali
intacto (nec dorso medio angulato
ut in Onc. unicorni Ldl) gynost. gracil
le apice 3dentat. — Colore differt ab O.
unicorni, pallidior labell. aquore ochro-
leuc. apicem usque striolis longitu-
dinalibus pictum.

695.

Bot. Zeitg. 1856 p. 515.

Oncidium unicorne Ldl.

Paniculae rami recti[illegible]. Sep. dors. ligulat obtuse acutū fornicatū. Petal ovata retrorsa. Sep. inferiora ligulata mediū arg. bifida. Lab. ab ungue pandurato, auriculae portioae retusae pars antica ovata antice minute emarginata crista in basi transversa recta anteposita cornu uncinato in sus medio obtuse angulato dentato. Gynostem. gracile clavat. aequaliter dentatum.

sec. Rchb. f.

Bot. Zettg 1845 p 335

Cephalanthera platycheila Rchb.

Bract. lin-lanc ovario multo brevioribs. sep. petq. aequalib. lanceol obt. labello sep sub-breviore articulo inferiore 2lobo lobis divergentib. 3-striatis. articulo superiore latissimo obcordato apice 3lobo, 9 lineis punctor. elevator. longitudinaliter utroque margine ternis brevissimis transverse cristato, lobo medio reflexo.

Japonia lg. Goring.

Über 1' hoch stlaff 4-5-blättrig. Bl: 3-4" l c 2" br. stengelumfass. Blt etwas kleiner als der Ceph. ensif. pallens.

Bot. Ztg. 1857 p. 157.
Chysis Brunowiana Rchb. f. & Warcz.
Labelli lobis lateralib. late semifalcatis lobum med. ovat. obtus (cochlearem?) aequantibus carinis 3 ante lob. medianum lateralib. extus media carinula ad ventilia auctis ungue labelli cum lamina refracta angulato.
Pedunc. pluriflorus, bract. ovat. acutae ovaria aequantes petala sepalis sublongiora spathulata. Perigon. roseo-adspersum.
In Peruvia detexit de Warczew.

Gard. Chron. 1875. I. 748.
Oncidium Cardeni. Rf.
(Cyrtochila lab. elongato, exauriculata) Caulescens; pseudobulb. obl.-ligulat. compress. fol. lin. lanceolat. acut. panicula amplissima, sep. unguiculat. oblong. acut. limi crenulato undulat.

ex appendiculat. sep. ab ungue brevissimo oblong. acut. crenulat. lab. ligulato pandurato acuto rostro rostturiusculo in centro callosum; callis apposit. utring. ligulat. 4; callo rhombeo utring. superposito juxta cavitatem parvam, carina lineari extrorsa utring. col. curva apice valde dilatata, tabula infrastigmatica utring. arguta.
*Lippe auffällig pandurate

Gard. Chron. 1875. I. 749.
Oncidium rostrans. Rf.
(Pentapetala macropetala)
Aff. O. pyramidali, labello pandurato basi latiore, lobis antic. valde lat. callis 2–3 in basi; mediis elongat. columnae cygnicollis alis linearib. ascendentib. apice bifid. seu quadrifidis.

699.
Gehört zu der Gruppe von —
chrysopyramis, altbodes, pyramidale
alcicornis & elephantotis.

Gard. Chron. 1875 I. 780.
Oncidium hebraicum. Rchb. f.
(Pentapetala macropetala)
Pseudobulb. obl. compress. superne
mirifice sulcat. & multijugos.
fol. cuneato-ligulat. acut. pani-
cula longissima brachyclada.
sep. ligulat. obtus. isthmo valde
elongato; lacinia antica an-
gusta, emarginata biloba c.
apiculo; callus in basi angulat.
5 parallel. 2 anteposit. col. gra-
cillima curva, rostello ornithor-
rhyncho, fovea profunde a late-
rib. excisa, tabula utrinq. tumida
medio utrinq. emarginata, alis
acut. minutissimis. N. Granada

Gard. Chron. 1875 I. 780.

Oncidium tectum. Rf.

" ~~Barilata~~" Artificial " Barilata"
naturel Pluritubercularta, maizaefolia".
Pseudobulbo compresso pyriformi
diphyllo sulcato; fol. lanceo-ligulat.
acut. angust. panicula ramosa
sep.-pet. q. line- ligulat. obtus. an-
gust. labelli auricul. transvers.
triangul. laciniae anticae aequilat.
isthmo bene angusto trianguli ad
instar exserto brevi, lacinia antica
reniformi biloba, antrorsum
angustata, callo baceos velutino
basi quadrilamellato, call. crenat.
angul. triangul. 3 anteposit. co-
lumnae alis dolabriformib. utring.
antic. Wallis detex. N. Granada.
Flowers yellow with rich maroon-
brown.

781

Gard. Chron. 1875. I. 780.

Batemannia armillata. Rchb. f.

Pseudobulbo 4-gono, fol. cuneato oblongo ligulato acuto solitario apicali; racemo porrecto paucifloro (3) laxo, bract. cucullat. ovaria pedicellata dimidia aequantib. sep. summo obl. obtuso, sep. later. ligulat. obtusiusc. latere interno implicitis; tep. obl. obtus. labello cuneato assurgente, dein deflexo trifido, lacin. lateralib. parv. triangul. serrat. lacinia media ab isthmo elliptico apiculato, apiculo reflexo, carina minute denticulata inter lacinias laterales, columnae androclinio denticulato, anthera apiculata — Flores parvuli virides, col. et labello alba. Stirps elegantula originis omnino dubiae.

Gard. Chron. 1875. II. 98.

Saccolabium Pumilio Rchb.f.

Minutum fol. oblong. apice inaequaliter bilob. subtus purpureis racemo densifloro foliis breviore, bract. triangul. ovaria pedicellata non aequantib. sep. tep. q. ligulat. obtus. labelli lacin. lateral. semiunciales angulo in medio lacinia media oblonga obtusa calcari planiusculo cylindrato retuso; col. retusa rostello bidentato, caudicula sub polliniis utring. angulata.

Flowers [illegible] ähnlich wie bei Saccol. buccosum & fragrans. Pollen apparat. between Uncifera & Saccolab. so that the latter genus stands in jeopardy. Manilla. — Diese Spe. scheint die ganze Eintheilung umzuwerfen.

703.

Gard. Chron. 1875. I. 98.

~~Masdevallia~~? gracilenta Rchb. f.

Caulo gracili elato vaginis pauci ampl. folio a basi petiolari oblongo acuto s. apiculato minute tridentato, flor. solitar. & 2 in basi folii Pleurothallidum more; bract. triangul. ovariis asperul. sep. oblong. acut. supra nervum medium asperulis, later. omnino connat. omnib. apice cohaerentib. fenestra longiuscula, petal. ~~sep.~~ rhombeis apice subserrat. trinerviis, labelli ungue lato, medio asperulo, lamina sagittiformi, multo longiore, col. longiore, col. tridentata. Flores atropurpp. illis Masdevalliae fenestratae Ldl. 2plo minores.

5-7" hoch Bl. d. wilden Pfl. grün d. der cultiv. unterseits violett.

Costa Rica — Endres.

Gard. Chron. 1873. p. 105.

Odontoglossum. Ruckerianum. Rchb. f.

Aff. Od. crispo Ldl. Andersoniano Rchb. f. limbato Rchb. f. Labello basi utrinq. angulato oblongo ligulato acuminato v. aristato callis in basi rhombeis serratis antice nunc forcipatis lineis elevat. 2 utrinq. sep. tep. q. lanceo-cuspidat. columnae alis pluricirrhosis.

Originaldiagnose.

Blüte creamfarbig mit kastanienbraunen ~~gesäumt~~ Flecken & violett. Saum.

Gard. Chron. 1873. ~~104~~ 105

Catasetum citrinum Lindl.

Racemo plurifloro laxifloro bract. triangul. quam ovaria porrecta multo brevioribus sep. tep. q. obl. acut. in galeam conniventib. extus nervosis labello scaphiformi postice obtusangulo

gibbo; lacin. basilarib. semiovat. paucis acutissimis. serratal. laci-nia antica producta ligulata triangula antice disco incrassata nervis inter in disco paulo promi-nulis, columnae apiculatae cirrhis productis.

In the way of C. luridum, peri-anth ochraceous — Bogota. Hartweg. It would be the Neo-Granadian representative of the Brazilian C. luridum. Lr.

Gard. Chron. 1873. p. 177.

Physurus nobilis Rf.

Similis Ph. picto Ldl. Fol. late oblong. acut. pulchre argyroneuris pedunculo puberulo vaginato, spica multifl. densifl. bract. acu-minat. hinc pilosul. ovaria sub-curva non aequantib. sep. lineari-ligulat; sep. cuneato rhombeis

supreme lacero-denticulat. labello cuneato-oblongo-ligulato antice trilobo, lob. later. obtusangul. antice denticulat. lobo antico antice sub-serruo nudo, utrinq. pectinato ciliato plica semilunata utrinq. ante angulos loborum lateralium; calcari arcuato acuto ovarium aequante basi adnato, rostello profunde bilobo, bicuspidato.
Quite a copy of Ph. pictus but totally different in its fringed lip. Brasil.

Gard. Chron. 1873. 177.
Physurus decorus Rf.
Fol. cuneato-oblong. acutis obscuris argyreo-longitudinaliter lineat. pedunculo glandipili superne vagin. acuminat. sericelib. parv. racemo plurifloro rhachi glandipili, bract. lanceo-acuminat. uninerviis ovaria glandipilia non aequantib. sep.

707.
lanceis acut. parce pilos. sep. rhombeo-lanceis, labelli lamina trifida, lacin. lateral. semiovat. antrorsum acut. lacinia media cuneato-oblonga acuta. calcari filiformi incurvo; ovario pedicellato aequali; column. basi c. labelli laciniis lateral. connata. rostello obtuse acuto.
„Spiranthes species ex Sumatra!" Blt. weiss mit grünen Streifen. klein.

Gard. Chron. 1873. 177.
Physurus Ortgiesii Rchb.f.
Fol. cuneato-oblong. a basi lata ovata acuminat. pedunculo pilosulo basi foliato, sursum vagi[na]to vagin. lanceis acuminat. spica multiflora densiflora (juniore oblonga sub capitata) bract. ovaria excedentib. sep. lin. ligulat. obtuse acut. hispide pilos. sep.

lineari. oblique retus. labello ligulato apice cordiformi, medio attenuato basi ampliato, calcari angusto cylindraceo-incurvo ovarii dimidium aequante; rostello longe bifido. —

Anacheilochilus Oerstedii Flore & Pomolog. 1872 Nov. p. 243 c. xylogr.

Roezl. — N. Granada

(Sieht dort genau wie d. leibhaftige Phys. pictus — K.)

Gard. Chron. 1873. p. 289.

Epidendrum phyrodes Rf.

(Spathium aff. E. polygonato Ldl. & E. prostrato Rf.

Paniculatum, labello transverso rotundato, antice obsoletissime trilobo, vesica calcaris antice adnata rotundata sulcata. — Folia lanc. crassa subbipollicaria 1/2" latam; bract. triangulae ... ae;

709.

sepala triangula lepala linearia acuta; labelli basis callis 3. lateralib. triangul. carnos. callo mediano parvulo; col. brevis clavata; flores dilute flavido-albidi; labellum basi violaceum.
Flowers sordid whitish brown
Thyringa ps rostrata Ldl. is nearly allied ~~[illegible]~~ — Costa Rica

Gard. Chron. 1873. 361.

Dendrob. junceum Lind.

Caule stipitato basi cucumeriformi costato dein terete multiramoso; ramis paucifol. brevib. fol. tereti-subulat. subcompress. racemo 1- s. 2-flori terminali; mento conico; sep. summo ligulato acuto sep. later. triangul. sep. linear. acut. labello ab ungue longiusculo dilatato trifido, lacin. later. obtusangul. divaricat. lacinia media

ligulata subemarginata; linea mediana longitudinali incrassata elevata apice in serraturas plures asperata; col. apice utrinq. uniangulata. Flower yellowish green, yellowish anterior disk of the lips & purplish veins.

Gard. Chron. 1875 II. 130.

Saccolabium dives. Rf.

Fol. lin-ligulat. apice inaequaliter oblique retuseq. bilob. racem. densissim. pluriniflor. descend. (semper?) bract. triangulo-seta exit ovaria pedicellat. non aequantib. sep. pet. q. oblongo ligulat. obtusiuscul. labelli lacin. later. semioblong. lacinia media triangulo-lineari introrsum uncata, calcari cylindraceo apice [illegible] attenuato, col. antrorsum gibba.

711.

Bl 7" long 2/3" br. Blt reber gelb.
reich gelblich weiss ähnlich wie
bei manchen Erien ähnlich d.
Saccol. gracile

Gard. Chron. 1875 II. 162.

Megaclinium melanorrhachis Rchb.
Deure caespitosum. pseudobulb.
4-gon. 2phyll. fol. lanceolat.-ligu-
lat. ~~acut~~ minute - bilobis; rhachis
inflorescentiae obl.-ligulata
crenulata pseudobulbo 2 x s 3x
longiore hinc scaberula; nervo
mediano excentrico; bract. mi-
nut. triangul. deflex. sepalis
et ovario pedicellato scaberul.
sep. summo lanceo acuminato
superne indus utrinq. oblongo
incrassato pulvinato; sep. later.
triangul. apice reflexis; sep
falcat. s. linearib. acuminat.
lab. oblongo acuto basi latiore

col. utrinq. sub apice angulata.
Bulbophyll. melanorhachis Rchb. f.
Sierra Leone. Sanders very
near Megacl. velutinum Lindl.

Gard. Chron. 1875 II. 225.
Periatorea lamellosa Rchb. f.
Aff. P. Daganae labello transverso subcordato oblongo retusinsculo utrinq. ante basin angulato; lamell. 13 a basi in medium labelli inter se liberis bene carinat. antice abrupt. unguae brevi columnae basi utrinq. angulata. —
Zygopet. lamellos. Flor niveus carinae flavae dorsis bruneis col. antice rufo striata.
N. Granada — Wallis

713.

Gard-Chron. 1875. II. 257.

Masdevallia Reichenbachiana Endres in litt.

Dense caespitosa, fol. a basi bene angust. spatulat. acutiuscul. apice 2dentat. per dorsum carinat. pedunc. folia aequantib. s. superantib. usque 3flor. (heterochronicis?) bract. oblong. setuso-aristat. florib. amplo infundibularib. sep. summo basi leviter triangulo caudato; sep. later. longe triangul. multo brevius caudat. sep. stipitat. oblong. apice bilob. infra supra stipitem (unguem) abrupte obtusangul. lab. ligulato oblong. basi subcordato antice acuto crenulato denticulato, carin. 2 subparallel. col. apice acuta.

Fol. obscure viridia. Pedunc. angulati. Flores flavo albidi dorso haematochroi. Varietat. plurimae occurrunt & quoad colorem & quoad caudarum longitudinem.

Costa Rica

Gard. Chron. 1875. II 356.

Restrepia Reichenbachiana Endres (Pleurothalliformes) dense caespitosa Caulib. humillim. paucivaginat. vagin. maculat. supra nervos ciliat. fol. cuneato-obovat. apice minute tridentat. vix 2" alt. bene marginat. pedunc. filiformib. bene exsert. apice 1-flor. bractea ovario pedicellato non aequali, sepalo summo oblongo triangulo 5-nervi sep. inferiore ligulato apice bidentato 5-nervi, nerv. 2 extus minute & obtusissime carinati; sep. ligulato falcat. s. ligulat. acut. divaricat. sepali superioris vix ½ aequantib. lab. obl. acuto sepala non aequanda basi utrinq. auricula falcata, callo triangulo utrinq. intus adjecto, col. gracili trigona elongata. Flor citrinus vix 8''' long. ubi expansus — sep. lat. apice atropurp. stria atropurp. in basi sepali utriusq. striae 2 atropurp. in basi sepali summi. 4000' Costa Rica — Endres

715.

Gard. Chron. 1875. II. 356.

Sarcolabium Hendersonianum Rf.

Fol. obl. ligulat. apice emarginato-bilob. racemo densifloro, bract. triangul. lat. brevissim. sep. inaequalib. sep. summo elliptico, sep. later. cuneato-oblong. extus obtusangul. ima basi c. labello conat. Sep. obl.-ligulat. sepalo summo bene minorib. labello prope ad calcar reducto lamina minima seducto-trifida; lacin. lateralib. angulat. minut. lacinia media planum triangulum in calcaris plano summo antica sistente, calcari compresso obl.-ligulato obtuso tertio antico solido, ceterum vacuo, col. nana rostello sub lineari subulato bifido, caudicula recta

Lve. 6" l. 1-1½" br. Spike splendid very dense. Fl. light purple

like Macrospinid. vulcanicum
lip white there is a dark little
spot purplish an each sepal
Die Lippe ist fest auf den Sporn
reduziert

Gard. Chron. 1873 p. 542.
Brassia chlorops. Rchb. f. & Endr.
Pseudobulb. oblong. ancipitib. atring.
subcarinat. foliis stipantib. articulat.
terminalib. legitime sessilib. cuneato-
ligulat. acut. pedunculo aequi-
longo vagin. ampl. distantib. pauci.
racemo secundifloro; bract. oblong.
acut. spathac. ovaria haud aequan-
tib. sep. summo lineari lanceo
sep. later. longiorib. labello sup-
posit. infra medium obtuse cari-
nat. sep. lanceis faliat. acumi-
nat. brevioribus. labello basi colum-
nae imposito ligulato acuto; cari-
nis velutin. 2 in basi, carin. angulat.

717.

antice acut. apposit. columnae bari utrinq. obturata protracta.

In the way of Br. glumacea but with narrow lip. Flower green dotted with blackish brown.

Costa Rica, Endres

Gard. Chron. 1873 p. 915.

Oncidium tetracopis Rf.

(Cyrtochila auriculata)

Panicula ampla bract. cucullat. ovaria pedicellata ⅓ aequantib. sep. dorsali unguiculato cordato transverso obtuso minute crispulo; sep. later. longius unguiculat. latior subcordato hastatore triangul minute lobulato crispul. sep. brevissime et late unguiculat. cordato triangul. crispul. labello bari utrinq. angulato ligulato acuto carina auriformi utroque latere in bari; callo mediano sulcato antice varicoso

postice tomentoso; col. brevissima crassa auricul. ascendentib. angulat. linearib. acut. ligulis 2 suppossit. ut in Onc. cryptocoride.

Blt so gross wie bei einem gut entwickelten Onc. superbiens

N. Granada det. Sen. Balderiama.

Gard. Chron. 1873. 915.

Oncidium Balderiamae. Rf.

(Cyrtochila auriculata)

Panicula ampla bract. ovallet ovarii pedicellati 1/3 aequantib. sep. dorsali breve unguiculato lamina oblusangula triangula transversa crispa sep. inferiorib. longius unguicalat. late cuneato-oblong. obtuse acut. Sep. late & brevissime unguiculat. lamina oblongo-triangul. crisp. quam sepala bene breviorib. & angustiorib. lab. a basi hastate angustato ligulato acuto,

callo baseos duplici postico flabellato antice 6-7-lobo, callo 3lobo antepositio, carin. 2 sub angulo inter confluentib. in utroq. latere basilari, col. gracilis dorso apiculi acuta, tabulae infrastigmaticae limbo utroq. sulcato alis minut. ascendentib. denticulat.

A dangerous rival to Onc. superbiens itself, it has beautiful large brown flowers

N-Granada coll. by Sr. Balderrama.

Gard. Chron 1873, 915.

Oncidium plagianthum Rchb f.

(Cyrtochila ex auriculatis)

Panicul. ditissima bract. cymbiformib. amplect. ovariis pedicellat. 5x brevioribus. sep. bene & abrupte unguiculat. sep. summo late oblongo, basi rotundato sep. later. angust. oblong. cuneat. sep. ungue

brevissimo oblong. setaceis subul. 2plo minorib. lab. triangulo ligulato basi utring. obtusangulo seps. subduplo breviore, carinis 4 biseriatis circumpositis carinula curva extus utring. papulis quibusdam additis; col. gracilis paulo refracta.

A brown flowered Oncidium near Onc. dentilabrum

Gard. Chron. 1873. 978.

<u>Oncidium rotundatum. Rf.</u>
Aff O. porrigenti & O. trullae. Inflorescentia fractiflexa bract. triangul. subcavanid. seps. unguiculat. oblong. teps. unguiculat. hastato-obl. obtus. lab. basi rotundato triangulo callo baseos depresso antice trilobo utring. bilobo; col. gracili apiculata tabula infrastigmatica utring. extrorsum angulata.

721.
Flowers small, brown with greenish yellow lips to the sep. pet & lip
Inflorescence 3–4 yards long.
Heimat?

Gard. Chron. 1873. ~~970.~~ 1141
~~Maxillaria porphyrostele~~
Oncidium pliciferum. Rchf.
Aff. O. cimicifero Rchf. Panicula brachyclada, florib. parv. sep. dorsali unguiculato obl. acuto, sep. later. longiorib. angustiorib. extus omnino non carinat. sepp. cuneato-ovat. acut. lab. cuneato oblongo antice alternato lobulato retuso, medio flexo utrinq. juxta flexuram transverse plicato callo ligulato a basi in discum ibi bidentato col. ad basin urq. aequaliter late alata apice 5-dentata.
Braun blühend. Ecuador!

Gard. Chron. 1875 II. 388

Masdevallia ionocharis. Rf.

(Caudatae porrectae) fol. longissimis attenuato, lamina aequilonga oblonga acuta tridentata; pedunculo subaequilongo, bractea ante tubulosa pedicellum non aequante, floris cupula ampla infra medium [illegible] bigibba sepalo summo libero prope tantum ex cauda constante, sep. inferiorib. minut. ex triangul. lat. in caudas filiformes floris corpore breviores extensis; sep. ligulat. apice oblique emarginat. supra basin deorsum angulat. lab. ligulato basi cordato apice subtridentato, carinis 2 longitudinalib. parallelis [illegible] tertia apice tantum interjecta androclinio minute [illegible]

[illegible] of floris [illegible]

723.

Gard. Chron. 1875. II. 420

Masdevallia velutina. Rf.

(Clausae porrectae) Dense caespitosa, fol. longe petiolat. attenuat. ligulat. pedunc. gracillim. uniflor. pedicello bracteam longe superante; cupula bene conata, inferne ante sepalor. lateralium apices antecaudales intrusa; sepalor. parte libera triangula longissime filiformi caudata, sep. intus pallidissime velutin; sep. ligulat. apice bivalvib. semioblong. nunc apiculat. uno acut. semper copiose dentat. incluso inter valvas tumore papilloso; labello pandurato carinis 2 extrorsum arcuat. in parte superiore, carin. 3 s. 5 in parte inferiore, col. prona apice utrinq. deorsum mucronata

N. Granada - rose violet & white

Gard. Chron. 1873. 1238.

Masdevallia anguifera Rchf.

(Saccilabiatae) Dense caespitosa; fol. perv. valde ~~coriat~~ carnos. pedunc. 1flor. porrect. perigonio externo alte aperto; sep. basi connat. ceterum liberis, oblong. in caudas elongatas integerrimas abrupte attenuat. limbo laterib. minute & parce hispidulo tota superficie interna hispidula; tep. cuneato-obl. apice dipteris; ala interna multo breviore angulata denticulata, ala superiore ~~abbrev~~ ovata acuta subrepanda, papul. carinat. plurim. obsita, labello ante unguem brevissimum angulato anguste dilatato, demum in laminam transversam obtusangulo semilunarem ~~ex~~ panso, saccatam angulo utroq. implicato; carinis 2 carnosul. elevatis per isthmum inter unguem & laminam

725.

expansum, hic a basi in medium tricarinato, carina media integra, carin. lateral. paucidentat. alis carinat. hinc inde brevib. supra venas; col. apice alato denticulata.

cf. Veitch Manual. ubi synonym

Gard. Chron. 1873. p. 1398.

Oncidium stelligerum. Rchb. f.

Aff. O. hastato Lindl.

Sep. pet. q. obl.-ligulat. acut. stellat.; lab. basi rotundato lacin. later. abbreviat. obtusangul. isthmo angusto, lacinia media subaequilata cordata rotunda apice breviter et abrupte cuspidata, carina ligulata a basi ad isthmum, ibi forcipata, utrinq. medio angulata in basi tumida, col. brevi alis semioblong. tabula infra stigmatica producta, basi ipsa foveata

sep & pet. yellowish with many brown dots, while the lips is appear to be yellowish white, with a darker yellow callus. Flower seem nearly the fl. of a small flowered Miltonia candida.

Gard. Chron. 1873. p. 1597.
Barkeria Lindleyana v. Centerae Rchb.f.
floribus majoribus, lab. non undulato sed acutato, col. maculata pseudobulbo longiore.

Pseudobulbi ultra pedales, breviter articulati, basi vaginati Folia 5-8 coriacea, subflaccida, oblonga obtuse acuta 4-5" longa, 1½-2" lata. Pedunculus gracilis, erectus rigidus, vaginis 5-6 [illegible] long. tubulosis. apice racemosus, floribus 12-24. Bracteae lineares acuminatae ovariis pedicellat. breviores. Sepala sub-pollicaria, lanceol. acuminata, leviter

727.

reflexa. Tep. subduplo latiora, subrhomboidea, ceter. aequalia. Labell. ima basi subunguiculatum cordato-subquadratum, ciliatum disco in basi, carinis 2 8 in carinas enticas + lamelliferas 3 fluentibus. Columna dimidio labello sub brevior utrinq. rotundato alata apice tridentata. Flor purpureo-lilacinus, lab. lilac. purpureum, apice intense purpur. disco albido-flavum maculis purp. col. lilacina apicem versus obscurior, maculis quibusd. utroq. latere atropurpur. (juxta specimina + descriptionem. locupletissimam optimam amici Endres.

Gard. Chron. 1875. II. 516.

Pleurothallis fulgens. Rf.

(Aporodae caespitosae) Dense caespitosa, caulib. brevissimis fol-a basi

petiolari angustissima, spatulato-obovat. apice angustato minute tridentat. pedunculi distantes vaginatis folia subaequantib. apice 1-3-floris. bract. ovarium pedicellat. non aequanta, perigonio valde carnoso. mento brevi bene angulato, sep. summo ligulato acuto dorso 1-carinato, sep. lat. subaequalib. coalitis apice bidentat. per totam longitudinem bicarinat. e. sepalo supremo bari ima [illegible] connatis; sep. ligulat. acut. unum antice angulo inferiore acutis ante apicem. unum media inferne obtus angulis; inaequalib. unum simpliciter rhombeis, unum ligulat. acuminat. labello ligulato versus medium (vario loco) utring. auricula falcata s. angulata, columna intus [illegible]

auriculatum; lab. apice retuso apiculato, ~~et~~ col. clavata elongata, sepalis subaequali androclinio serrulato nunc tridentato. — Flores carnosissimi intense cinnabarini col. & sep. vitta purp. lavata. Lab. pallide cinnabar. — Solae species similes P. uniflora Lindl. & tricta Focke jam foliis longis recedunt. Costa Rica, Endres.

Gard. Chron. 1875 II. 580.

Masdevallia melanoxantha Rchb. f.

Nulli propius affinis. Pedunculo ancipite pedali apice tandem plurifloro, remot. vaginul. triangul. acut. appress. floribus heterochronic. tubo brevissimo mento angulato parvulo; sepalo superiore lineari triangulo acuto

arrecto intus pilas minus rabe-
rulo, sep. inferiore latiusculo
antice bifido laciniis triangul.
tota superficie interna aspero
muriculata; sep. ligulat. apicu-
lat. supra basin anticam obtu-
se ~~ra~~ semiphastatis; labelli portione
postica cordata lineari, 2 lobul.
impositis in portione antica
ovali acuta antice papulosa.
— Folia a basi cuneata obl-
spatulata apice obtuse acuta.
Perigonii tiantis subcarnosi
extus viridiflavi labium supe-
rius intus flavum, imo aure-
um inferius atrobrunneum
s. rufobrunneum. cf. Walp. VI.
170 & Bonpl. II. 283.
N. Granada. Caxaca.

731.

Gard. Chron. 1875. II. 708.

Oncidium bifrons Ldl.

Pseudobulbs compressed ovate 1½-2" long, 1¼-1½" br. & from ¼-¾" thick bearing about 2 narrow oblanceolate or lin-lanceolate leaves 6-10" l. Racemes about 1' long subcompressed jointed with a very grey scarious carinated acute sheathing bract at each node, 10-12 flowered; sep. & pet. obl. lanceolate obtuse undulated, the 2 later. seps. directed downwards & jointed together for ⅔ their length; labellum very narrow for ⅔ its length, suddenly expanding into 2 broad rounded ~~or~~ concave terminal lobes with a mucro between them, base cuneate auricles small, tooth like, crest consisting of 3 raised lines (the central one being most prominent) terminated by 7

labellet; column undulated winged around the large oval stigma; rich yellow with an elongate-triangular fold on each side of the contracted part of the labellum shining golden brown crest white with thin some minute golden brown specks. –

Mexico (?) It belongs to Tetrapet. micropetala. N. E. Brown.

Ist sent Rbcr-f. Onc. Warscewiczii

Gard. Chron. 1875. II. 772.

Dendrobium floribundum Rf.

(Dendrocoryne) Pseudobulb. crasso fusiformib. 2-s. 3-phyllis; fol. obl. acut. inaequaliter 2lob. inflorescentiis lateralib. racemos. racemis pauciflor. laxis; mento conico obtuso amplo; sep. impari obl. acuto, sep. rhombeo lanceis obtusangul. acut. sep. lateralib. multo majorib. longe productis;

733.
labello producto trifido angusti-
~~ss~~ osculo, lacin. lateral. obl.
obtuse angulatis extrors. lacinia
antica cuneato-dilatata biloba
lateribus crispula, carin. 2
lamellaeformib. ~~ea~~ basi labelli in
basin laciniae anticae; col. brevi
apice tridentata, basi inornata.
Flores viridiflavi, labell. atro-
purp.
Neu Hebriden. Bull import.
Near D. calophyllum Rf.

Gard. Chron. 1875. II. 290.
Masdevallia Livingstoniana Rf.
~~Tube greenish yellow~~ Perigonii tubus
viridiflavus ventre inferiore atrovio-
laceus, caudae atroviolaceae basi
albido flavae uniocellatae. Tepal.
& col. alba. Lab. basi flavidum
punct. rubris, ceterum alb. striis
longitudinalib. rubris 2.

Fol. spathulato-obovat. basi bene attenuat. apice rotundat. minute tridentat. ped. 1 flor. breviorib. bract. tubulosa ovario pedicellato longe breviore; perigonii externi cyathio elongato mento obtusangulo parvo; sep. supremo a triangulo brevissimo in caudam linearem (non subulatam) recurvo ascendentem extenso; sep. inferiorib. a triangul. latis c. cyathio angulat. lineari ligulato caudat. caudis decurvis, sep. ligulat. obtusat. basi attenuatis, lab. pulcherrime peltato basi brevissime sagittato, lobulato obtuso, androclinio denticulato. cf. Gard. Chron. 1874. II 322 –

Nur 2 frische Blüten gemacht.

735. Gard. Chron. 1872. p. 9.

Coeliopsis n. gen. Orchid. Rchf.

Aff. Sievekingiae. Perigonium externum crassum. Sep. dorsale obl-ligulat. sep. lat. alte connata apice biloba, basi mentum obtusangulum extrorsum efficientia. Tep. triangula abbreviata supra basin inferiorem obtusangula. Lab. de columna omnino immediate deflexum, oblongum acutum fornicatum apicem versus multiplicatum, omnino immobile omnino ecallosum. Col. clavata setura androclinio emarginato, Anthera depressa. pollinia 2 depresso-pyriformia basi bene stipitata coarctata extus fissa, sessilia in glandula hippocrepica. — Planta habitu Maxillariae squalentis ex icone a cl. Saunders benigne missa. Flores spicatae illis ejusdem aequimagni.

C. hyacinthosma. Rchf.

Pseudobulbs pear-shaped with longitudinal wrinkles & 3 plated cuneate oblong acute leaves as much as 18" long. Peduncle arising from the base of the well sheated bulb; raceme dense of 6–8 flowers with long triangular bracts = the ovary. The flowers whitish with crimson points of dorsal sepals & petals & a large blotch in the middle of the lips, apex of the lips orange. Flowers have a delicious perfume of Hyacinths. Stands near Sievekingia but differs widely in column, pollen apparatus & lip.

Panama. Sanders.

Gard. Chron. 1872 p. 73.

Angraecum articulatum. Rf.

Fol. cuneato-obl. inaequali-bilob. inaequalib. pedunc. cracs. basi ima multivaginat. superne racemosis;

73A

bract. triangul. toros conicos velutos-
pro pedicellati recipiendi vix aequantib.
ovariis pedicellat. gracilib. elongat.
sep. supremo cuneato-obl. acumi-
nato, inferiore subaequali omnino
connato apice nunc reflexo; tep.
oblong. acut.; lab. cuneato oblongo
apiculato breviore, calcari fili-
formi erecto porrecto ovarium
pedicellatum nunc vel aequante,
nunc prope ter superante, nunc
illo bene breviore; col. brevi
stigma; anthera apice minute
apiculata (caudicula bene simplici)

Gard. Chron. 1872 p. 141.
Mormodes fractiflexum. Rf.
Racemo pauciflora. laxiflora
fractiflexo. sep. tep. q. ligulat. acut.
lab. unguiculato spathulato valde
dilatato flabellato rotundato c. apiculo;
foveola superne biloba in disco, [illegible]
glabra.

Sep. & pet. whitish green with purplish streaks & some such dots, lips white with radiating purpl. streaks on the under side. Col. distinctly purplish. It would be M. buccinator if only it had a strict & compact raceme. — Costa Rica. Veitch.

Gard. Chron. 1872. p. 358.

Oncidium flexuosum Sims, radiatum Rf.

Callis juxta tubercula primaria fere nullis, isthmo labelli & bas laminae anticae pulcherrime bruneo purpureo radiato-striatis.

Almost destitute of the little side calli. There are 2 varieties one with much larger flowers.

Gard. Chron. 1872. p. 426.

Dendrobium rhodocentrum Rf.

Aff. D. cumulat. Ldl. Sep. triangul. lateralib. in mentum breve extincie

loriiforme postice supra medium ~~gibbigum~~ extensis; sep. oblong. subacutis bini denticulat. labello unguiculato basi cum sepalis connato, cuneato dein dilatato: subhastato oblongo retuso denticulato bini undulato, sulco in unguis linea media incrassata. col. brevissime libera crassa utrinq. brachio retuso carnoso erecto, dente postico minuto, denticulo carnoso utrinq. supra fundum calicaris intus juxta labelli exsertionem.

Flowers light rosy, the tips of the sep. purple, base side of spurious spur brown, lip white a purplish stain at the apex, base of the lip yellowish, col. purpl. also the tips of the anther, which bears a tuft of hairs over the anterior middle ~~of the~~ base.

Gard. Chron. 1872. 539.

Oncidium andigenum Lind. & Rchb. f.

Racemo paucifloro, sep. dorsali oblongo acuto, sepalo inferiore subaequali apice bidentato, tep. ovat. acut. labelli pandurati lacin. postic. cordat. rotundat. isthmo brevissimo lacinia antica reniformi, callo in infima basi papuliformi emarginato, postposita regione velutina, androclinio obsolete marginato, tabula infrastigmatica oblique producta, Flores flavi maculis purp. callus labelli aurantiacus-col-violacea; anthera pallide purpurea. – Wallis det.

Gard. Chron. 1872. 571.

Masdevallia macrodactyla Rchb. f.

Aff. M. ciliatodi- Caulib. secundar. abbreviat. fol. cuneato-obl. acut. marginat. apice tridentat. pedunculo

741.

longe exserto verrucoso distanter vaginato apice racemoso; bract. triang. carinat. florib. prolis: sepalo impari naviculari in caudam inflexam apice callosam attenuato; sep. lateral. subaequalib. obl. coalitis bicarinatis, apice in caudas 2 angulato deflexas caudae sepali imparis aequales extensis; callis 2 carnosis a medio usque ante caudas; lep. ligulat. acut. supra basin inferiorem angulatis; lab. cuneato oblongo in apicem ligulatum serratum extenso, carinis in disco crassis serrat. 2, columnae alis 5 angulatis circa androlinium & foveam.

Greenish yellow lips black purplish brown nerves on the pet.

Gard. Chron. 1872. 666.

Lockhartia amoena Rf. Endres

Caulib. altiuscul. fol. triang. obtu-
sat. florib. fasciculat. pedunculi
vaginis triangul. bract. amplis
cordato ovato acut. ovaria pedicellata
non aequantib.; sep. ovat. acut. tep.
sublongiorib. complicato curvat. labelli
tripartiti lacin. later. basilarib. curvat.
ante basin anticam angulat. lacinia
antica maxima flabellata 4-loba
undulata; callo obcordiformi velutino
in basi. callo papuliformi verrucis
anteposita, carin. serrat. 3 perdiscum?
columnae alis late-quadrat. extus
serrato-laceris. – Costa Rica.

Gard. Chron. 1872. 666.

Eria (Flavae) Berringtoniana Rf.

Rhizomate validissimo repente; pseudo
bulb. distantib. obl. compressi. diphyll.
fol. cuneato obl.-ligulat. acut. pedunculo

elongato arachnoideo apice racemoso; bract. nigris obl. acut. arachnoid. ovariis pedicellat. arachnoid. 2plo brevioribus. florib. pollic. magn. mento obtuse conico, perigonio externo extus arachnoideo; sep. dorsali ligulato obtuse acuto, sep. later. multo latiorib. sep. lineari ligulat. acut. multo angustiorib. lab. cuneato dilatato trifido, lac. lateral. medianum obtusum ... antrors. parv. lacin. antica cuneato-obl. apiculata undulata, lin. callos. elongat. 2 a basi in discum anticum.

A giant Eria flava, flowers equalling a Bolbophy. Lobbii. at first yellowish green afterwards ochre coloured, with purple stripes inside. Borneo.

Gard. Chron. 1872. 699.

Trichoglottis fasciata Rchf.

Bene caulescens, fol. cuneato-obl. ligulat. obtuse 2lob. abbreviat. 4" l. 1" lat.

spic. pauciflor. grandiflor. ovariis pedicellat. trigon. sep. dep. q. cuneato-obl.-acut. sep. lateral. falcat.; labello basi e. col. connato; auricul. carnos. dolabrat. lamina antica trifida, lacin. lat. triangul. patul. lacinia media carinaeformi antica oblique obturata; lineis velutin. 3 in fundo, col. utring. juxta antheram unifalcata; ligula carnos. ligulata bidentata velutina nunc eroculo-dentata semper tenuissima.

Plant with Renantheroid habit but bearing a short inflorescence of grand flowers resembl. those of Phalaenopsis sumatrana but the lip & col. are very different. Lips whitish with yellow tips. Sep. & pet. pure white outside white internally with yellowish cinnamon bars beautifully leathery as in

745.
Gard. Chron. 1872. 731.
Odontoglossum ulopterum Lindl. et Rchb.f.
Sep. lanceol.-linear. acuminat. dorso obtuse carinat. lateral. stricto deflexis subparallel. tep. cuneato-obl. apiculat. crispul. lab. ligulato acuminato porrecto; hypochilio apice incumbente marginib. erect. lobulat. apice acuminat.; epichilio a basi rotundata oblongo acuminato callo carnoso apice bicruri, crure quovis extrorso carnoso acuto in basi epichilii; col. elevata
Brownish sep. with green keels pet. yellow with numerous brown blotches. hypochile white with 2 purpl. spots. epichil yellow with numerous brown blotches
N. Granada od. Ecuador Linden imp. 1.

Gard. Chron. 1872. 731. × Rf.

~~Odontoglossum Epidendanthum Lind~~

Pleurothallis lateritia. Rf. Endres

(§ Pictae) Dcarissime caespitosa fol. parval. cuneato. lanceis acut. coriac. supreme nitid. pedunculo longiore capillari apice bifloro, recurv. floro, ovario pedicellato bracteam longe superante; seps. dorsali fornicato ligulato acuto tricarinato. sep. lateral. semicoalit. liguli libr. oblong. acut. utrinq. bicarin. t. teps. bene breviorib. ligulat. apice incrassat. oblique retus. uninervii; labello cuneato rhombeo ligulato retuso flavo ex; col. semiterete androclinio postice acuto escendente.

In the way of Pl. Grobyi with a few brick red flowers. Costa Rica.

747.

Gard Chron. 1872. p. 935.

Phalaenopsis Veitchiana Rchf.

(Equestris × Schilleriana hybrid.)

Radicib. plan. pallide viridib. apice rotundis; fol. cuneato-obl. obtusissime acut. pallidissime et obscure tessellat. ped. tereticaulo rubro paucifloro, sep. cuneato obl. acut. sep. multo latiorib. labelli tripartiti partitionib. lateralib. cuneato-oblong. obtus. partitione media oblonga apice attenuato forcipato lacin. antrors. callo stipitato medio bene sulcato, dimidio quovis obtusangulo triangulo, angulo postico extrorso acuto.

Flowers much like those of P. Schilleriana but smaller purplish with whitish margins on sep. & pet. lips purpl. white with darker spots.

Philippines. Veitch.

Gard. Chron. 1872. 969.

Oncidium alcicorne n. sp.

Pseudobulb. obl. subcompress. diphyll. fol. cuneato ligulat. acut. panicula expansa divaricata polyclada. sep. obl. obtuse acut. lateral. angustiorib. sep. unguiculato oblongo-hastat. acut. lab. basi utrinq. postice area verruculosa lacin. basilarib. obl. retrors. isthmo ligulato elongato apice bifido, lacin. anguste oblong. contiguis, callo depresso utrinq. 2 s. 3 dactylo callo tridentato interjecto in disco inter hos callos, dente intermedio nunc porrecto; col. recurva, alis ligulat. apice dilatato bifidis; lacin. nunc plurifidis, rostello ornithorhyncho tabula infrastigmatica porrecta quadrata.

Allied to O. pyramidale Ldl & oblong-cr...

N. Granada

749.

Gard. Chron. 1872. p. 969.

Odontoglossum Semoilum Rf

Sep. cuneato-lanc. acuminat. crisp. sep. cuneato-obl. acuminat. crisp. lab. obl.-ligulato acute, hypochilii laterib. erect. integris antice serrat. apice abrupt. interposito callo tridentato, epichilio lineari-ligulato acuto, col. clavata medio angulata, alula parva triangula addita utrinque.

In the way of O. pardinum with deep yellow-flowers & green outside. Wallis det.

Gard. Chron. 1872. 1003.

Liparis Saundersiana Rf.

Minuta. simil. M. Wendlandi pseudobulbo ovato, fol. carnosul. 2 supra vaginam cordato obl. acut. pedunculo longiore trigono, racemo

paucifloro, bract. triangul. angust. herbac. ovaria pedicellata non aequantibus, sep. triangulo ligulat. summo trinervi, lateral. 1-nerv. sep. lineari-filiformib. 1-nerviis. labello basi juxta columnam sagittato oblongo apiculato s. obtuso, ciliato s. eciliato, col. apice ampliata.
Mimicing an Australian Cyrtostylis.
2" h. Sep. green. sep. lip atroviolac.
Jamaica

Gard. Chron. 1872. 1003.
Catasetum Scurra Rf.
Pseudobulb. ovat. acut 1-1½" bas. racemo deflexo paucifloro, perigonio patulo, sep. ovat. obtuse acut. sep. obtusiorib. latiorib. minute serrulat. labelli trifidi lacin. lateral. erect. rhomb. limbo superiore serrat. lacinia antica cuneato dilatato serrulato crispulo, calcari conico compresso, col. mutica,

751.

androclinio marginato, anthera obtuse c. apiculo minuto.

White with green veins. Toll with Citronea nicten, near C. Warscewiczii

Gard. Chron. 1872. 1035.

Oncidium insculptum. Rchf.

Panicula amplissima, vagin. bracteis triangul. minut. his ovaria pedicellata longe non aequantib. sep. ovato-triangul. margine valde crispat. unguiculat. unguib. later. divaricat. basi connat. sep. sublatioribs. latius et brevius unguiculat. paulo minus crispat. lab. unguiculato hastato, auriculato ligulato apice subbilobo, lobis basios inferne sub ungue cucullato connatis; callo turgido vertice acuto in basi unguis, limbo extrorso crenulato utrinq. apice bilobo, carin. insilientibus extus

utriusq. 2, col. trigona basi ampliata, tabula infrastigm. per medium introrsa, alis articulat. angust. parvis.

Flowers 2/3 of Oncid. crispum. Colour cinnamon, basilar parts whitish yellow, col. pale.

Gard. Chron. 1872. p. 1035.

Odontoglossum pinguis Rf.

Folio ligulato acuto pergamenteo

Octomeria tricolor. Rf.

Caule ancipite, vagin. ancipitib. ampl. fol. cuneato-obl. acuto apice oribe 3dentato, infra purp. livide tessellato flore solitario; seps. obl. triangul. teps. angustioribus. lab. a basi lata cuneata medio trifido; lacin. later. acutangul. antrorsis. lacinia antica lata transverse biloba utrinq. serrulata, carinis 2 humilib. in disco. Brasilien, Sanders.

753.

Gard. Chron. 1872. 1067.

Masdevallia coriacea. Lind.

Dense caespitosa radicib. adventitiis crass. densissimis verrucos. fol. cuneato obl.-ligulat. apice minute tridentat. limbo cartilagineo producto; pedunculo folium aequante v. superante vagina in medio, bractea cucullata ovario pedicellato breviore, mento obtusangulo cupula haud longiore, sep. summo a basi sublatiore attenuato; sep. infer. ad mediam partem connat. triangul. ibi subito attenuat. lin.-acut. lep. ligulat. apiculat carina l in medio prosilient. lab. flabellato ligulato apice lobo, ibi densa pilloso verrucoso, carinal utrinque basin versus. androclinio minute serrulato. cf. Lind. Pesc. Linden p. 4.

Gard. Chron. 1872. p. 1099

Batemannia Burtii Rf. Endr.

Subcaulescens, fol. ligulat. acut. elongat

basi e radicib. implet. pedunc. 1-flor(?)
florib. longissime pedicellat. sep. obl.
triangul. acut. lateral. divaricat.
tep. sublatiorib. a basi cuneato ob-
tusangulo triangul. apice acut. labelli
ungue erecto basi ima callo acu-
minato, callo in laminae bene obtus-
angulo rhombeo erecto in lacinias
filiformes blepharoideas plures
exeuntes, col. apice incurva cu-
culli alis bilobo-subquadrat. carina
elata in dorso.

Gard. Chron. 1872. 1194.

<u>Epidendrum advena. Rchb. f.</u>

(Encyclium) aff. E. altissimo Bat. Ovar.
pedicellat. elongat. sep. obl. obt. tep.
multo latiorib. a basi cuneata obt. lab.
tripartiti partit. later. obl.-ligulat.
part. media cuneato-hastata quadrata
apice bene profunde biloba; later. crispat.
carin. 2 a basi in basin partition.
mediae, ibi incrassatae, radiantib.

755.

divisit; angulo prosiliente utrinque ante partitiones laterales, columnae alis obtusangul. aristula utrinq. anthera emarginata. — Brazil. Flowers 2/3 of Z. atropurpureum — yellowish brownish tessellated. col. green.

Gard. Chron. 1872. 1290.

Kefersteinia (Zygopet.) lactea Rf.

Fol. valde pergamen. cuneato obl. acut. pedunculo 1-flor. bract. triangul. parv. sep. pet. q. obl. acut. lab. latissime cuneato obl. retuso hinc crenulato, callo depresso apice bifido lacin. triangul. in basi, col. medio dilatato nunc angulata. — In the way of K. sanguinolenta. Flowers small white with brown dots at the base. Chiriqui - Endres.

Gard. Chron. 1872. 1323.

Odontoglossum jaurum Rf.

Racemis porrecto laxifloro, bract. triangul. minut. sep. pet. q. lin. ligulat.

acut. labelli hypochilio canaliformi ~~lato~~ angusto; epichilio pandurato antice retuso c. apiculo in medio, laterib. serrato; disco parce longipiloso, carin. triangul. 2 & filis postposit. 2 in epichilii basi, col. clavata apice alis falcatis.

Very near O. Wallisii totally different in columnar wings & very simple calli

Gard. Chron. 1872. 1555.

Sarcanthus macrodon. Rchb.

Fol. abbreviat. obl.-ligulat. apice dentib. 2 triangul.-forcipat. racemo elongato laxo multifloro, bract. minutissimis, ovar. pedicellat. & caliarib. cylindrat. obtus. aequalib. sep. pet. q. obl. cuneo-sinuosal. dorso costat. labelli lamina trifida lacin. superiorib. subquadrat. angulo antico implicato; callis 2 intus; lacinia

757.

" media triangula concava; col. brevi utrinq. processu styliano per ta rostellum elongatum deflexum lineari-triangulum.

A small speci: with yellowish flowers streaked with purple of no merit. Madras Presidency. Veitch.

Gard. Chron. 1872. p. 1652.

Acampe dentata, Lindl.

Fol. late ligulat. valde coriac. apice oblique obtuseq. bilob. panicula semipedali brachyclada ramis ascendentib. bract. triangul. brevissim. sep. pet. q. cuneato-obl. obtuse acut. labelli lamina obtusa triangula crenata laterib. basi saepius auriculata, carinis baseos in denter apicilares exeuntib. intus pilosul.; calcari cylindrato ovarium

pedicellatum subaequante intus puberulo; col. utrinq. acuta. 1' high leaves 6" l. 2" apart 1 1/4" broad very stout. Flowers as small as those of A. papillosa whitish yellow blotched with brown. Sikkim.

Gard. Chron. 1872. 1652.
Warrea tricolor Lindl.
var. stapelioides Rchf.
Sep. pet. q. paliare multiserit. intus striolat. usque apicem versus; fascia lata purpureo-brunnea ante apicem labelli bene rugosum.

Gard. Chron. 1872. p. 1687.
Listrostachys cephalotes. Rchf.
Bene caulescens; fol. rigid. crass. ligulat. „apice inaequaliter bilob. capitulo ex folio dejecto laterali"

759.
externis squamis oblong. obtus. scarios. ampl. in bracteas abe-untib. sep. pet. q. ligulat. lab. trilobo columnam involvente; lob. later. semiovat. lobo antico ligulato retuso emarginato, lob. omnib. crenulat. calcari amplo cylindrato obtuso medio constricto ovarium subaequante; rostello trifido lacinia media subulata brevi; lacin. later. lanceis medio ascendente implicitis; caudicul. 2 apice cupulat. glandula elongata lancea. medio implicata ascendente.

A small distich. plant. having leaves not equalling a span not ½" broad, very stiff & strong. Rostellum has 3 projecting teeth the middle one is subulate & very small, the lateral ones are

sword like & folded on themselves.
on there lies the glandula a long
ligulate body also folded on itself.
it bears 2 caudiculae.
Inflorescence cephaloid can be
compared with Saundersia.

Gard. Chron. 1872. 1718.
Stelis canaliculata. Rchb.
(Eustelis Polystachyae Ldl.)
Caule secundario folium paulo
superante, vaginis tenuib.
brunneis in dimidio inferiore an-
tice pulchre canaliculato, folio
cuneato oblongo obturato
valde crasso, in linea media
evidenter canaliculato, racem.
3 aggregat. folium dimidium
aequantib. spatha scariosa
multo breviore, racem. densi-
flor. secundiflor. bract. cupu-
lat. acut. ovaria aequantib.

761.

~~[illegible]~~ enerviis, sep. aequalib.
oblongoligulat. obtus. 3-nerviis
sep. minut. rotundat. utrinq.
semirotund. incrassat. 1-nerv.
labello flabellato setaro obtu-
sangulo enervi, col. tridentata.
Bogota. 8" h.

Hook. Lond. Journ. Bot. II. 662
Microstylis paleacea Lindl.
Mor.

Caule diphyllo, fol. ov. oblong.
scapo nudo [illegible] [illegible]
[illegible] corymbos. Lab. subro-
tundo [illegible] ped. [illegible]

On the moist places of
trees in dense forests by the
sides of streams
Organ Mountains

NEW OR NOTEWORTHY PLANTS.

DISA TRIPETALOIDES, *N. E. Br.*

ALTHOUGH new to cultivation, this is an old plant, and yet the above name is now published for the first time. The species was discovered by Thunberg over a hundred years ago, and was described by the younger Linnæus as Orchis tripetaloides. Thunberg, however, in his *Flora Capensis*, and also in his Herbarium, has confused this plant with his Disa excelsa, having compounded his description from the leaves of this plant, and the stem and flowers of a totally different plant, of which full particulars will be given in my paper on Thunberg's Cape Orchids. Lindley, on the other hand, erroneously considered this plant to be the Disa venosa, Swartz, under which name it has, up to the present, remained in the various herbaria. But Disa venosa, as I have elsewhere shown, is a plant that had been confused with D. racemosa by Lindley, Reichenbach, &c. Therefore it becomes necessary to apply some other name to the present plant, and as the specific name Linnæus gave it is very applicable, I here retain it.

Disa tripetaloides was brought to me by Mr. James O'Brien, who has it in cultivation. It has thick fleshy roots, and is stoloniferous, and therefore easily propagated by division. The leaves are 2 to 3 inches long, lanceolate, acute or acuminate, bright green, glabrous, and somewhat coriaceous in texture; they are all placed in a rosette at the base of the stem, on which they almost immediately pass into acuminate sheaths, of which there are several on each stem. In strong individuals the flower-stem attains a foot or more in height, and bears from twelve to twenty flowers in a moderately lax spike. The flowers are about an inch in expanse; they are white, tinged with pink, and more or less dotted with rose-purple; the dorsal, helmet-shaped sepal has a short conical spur; the lateral sepals are proportionately very large, elliptic-oblong obtuse; the petals are falcate-oblong, and the lip linear.

763

This beautiful Disa is likely to become a general favourite when better known, especially as it requires for its welfare, but little more heat than is sufficient to keep the frost away. It is very free-flowering, and easily cultivated; and as it increases rapidly by means of its stolons, is not likely to die out when once obtained. Mr. O'Brien writes to me the following concerning this plant:—"It is not only the freest growing and most profuse flowering Disa I ever saw, but also the most easily grown of South African terrestrial Orchids. One of my correspondents writes:—'A charming and elegant Disa, with sprays bearing often twenty to thirty flowers, each from 1 to $1\frac{1}{4}$ inch across, varying from white to creamy-white, suffused with pink, the two lower segments and inside of the hood spotted with rose or crimson. It lasts in flower a wonderful time, and would be a very prolific plant to grow for cut flowers.' Another correspondent says that 'It is like an elegant small example of Disa crassicornis, white, spotted with red: an exquisitely pretty species.'" *N. E. Brown, Herbarium, Kew.*

From the "Gardeners' Chronicle," Mar. 23, 1889, p. 360.

Flora Bd 25(50) 1867 p. 117.

Pterygodium magnum Rbf.

Dense folios. habitu Pt. venosi. multo majus, sep. summo ligulato obt. acut. sep. lateralib. obl-triangul. tep. cuneato-flabellat. limbo anteriore retusiuscule rotundato serrulat. multinerviis; labello sepalis aequali. appendice magna cucullata apiculata.

T. Natal ?

Presl. Reliquiae Haenkeanae. 93.

Spiranthes peruviana. Presl.

S. spica subflexili, bracteis flore aequilongis, labello ovato crenato acuminato, foliis petiolat. lanc. acutis tuberib. oblong.

Radix tuberib. oblong. pollicar. longitudine ... ... 2", lanc., acuta, ner... petiol. fere ... basi vaginant. attenuata. Scap. ... 9" vaginat. Spica ... ... Bract. lanceol. acut. membranac. ... ovariis aequilongae vel paulo ... Flores mutant. magnitudine Sp. ... Perianth. generis. Lab. ovat. ... crenat. apice deflex. ... ... Ovar. ... ... basi: apice ...

... Sp. ... ... differt tuberib. ... labello.

... ... montanis ad Huanuco.

765.

Miquel Prolusio fl. jap. 137

Calanthe Masuca

C. purpureae nec non versicolori affin. Fol. 2, separata, 8–9" lon. 3" lat. oblongo-lanceolata attenuata, in petiol 3poll. decurrentia. Scapus 1½' puberulus. Bracteis 2 parv. elongatis racemo vix 3poll. laxo terminatus. Bract. patent. ovato-lanceol. 5''' longae. Pedicelli circit. pollicares. Sep. ovata 7nervula 5''' raep. longa. Pet. 4''' long. tenuiora subaequalia circ. 5nervia in sicco subviolascenti-pallida. Lab. porrectum basi attenuat. sepalis paulo longius. Cristae usque ad vel paulo ultra ejus partition. dispositae in disco aurantis furcae, supremae minores sessiles. Lobi labelli lateral. lobi medii 3/4 longitudinis. lobi medii obovati rotundati 8–10-nervuli. Flores in sicco viride flavesc. vel viole. color delevit.

Bot. Ztg. 1882 p. 157 766.

Spiranthes [illegible]

[illegible]

[illegible]

767.

biovunir per discum papulae minutae supra portionem apicilarem.

Editione Bakisuri publicelle planta aurigera introd. est. a cl. Linden. Flor. Octobri.

Flora. 1872 p. 276.

Thunia pulchra. Rf. l.c:

Habitu Th. albae Rf. Labelli basi gibbo ecalcarato obl. antice 3lobulo crispulo denticulato, venis 7 median. hinc illinc crispa integerrima crenulatave onustis, col. clavata apice 5dentata stigmatis limbo inferiore porrecto quadrato. Bract. & sep. & pet. Th. albae. Lab. alb. c. venis flav.

C. Low. Londin.

Indien.

[Pr]esl. Reliquiae Haenkean. 92.

<u>Ophrys parviflora. Presl.</u> <u>Cranichis [illegible]</u>

...a laxiuscul. bracteis ovariis aequilong.
...al. 3 inferiorib. angustiorib. extus puber-
...ib. labello integro ovato-concavo-acu-
to.

...ice tuberib. oblong. Scap. 9" circit. infer-
folios. superne vaginat. vaginis apice
...nai. Fol. lanc. obtusiusc. glabr. nervosa.
...ad ultrapollic. angusta basi attenua
...iculat. Bract. lanc. membran. acuminat.
...antes. Flor. parvi vix 1 1/2''' Perianthii sep.
...terior. superior. ovat. acutiusc. extus
...ter pubescentia. 2 interiora [illegible] superior
lanceol. acutiusc. glabra persistentib.
...angustiora. Labell. ovat. integr.
...cavo acuminat. glabr. laeve. Gynostem.
...l. labello paulo magis quam 2plo brevius
...status. Anthera gynostemio longitudina-
...ter adnata. Loculis longitudin. adnatis
...ac. tenuiter pubescens. [illegible]
...ena. [illegible] montanis ad Huanuco.

769. Presl. Reliquiae Haenkeanae. 91.

Cranichis Lindl.

Sphyr. pubescens Presl.

Sp. bra. bract. ov. longioribus, sep. 3 exteriorib. scabris ciliatis, lab. integ. [illegible] [illegible]. Ovarioque rhachique glandulosa pubescentibus.

cf. Ocr. parviflora. Presl.

Tuberib. lin.-obl. pollicarib. Scapus [illegible] 9" [illegible] glab. basi folios. superne vaginis ovatis obtusis membran. vaginatus. Fol. obl. lanc. obtusa nervosa glabra. Spica 1½" longa fere 12 flor. glandulosa pubesc. Flores brevissime pedicell. Bract. ovato-lanc. acutae membran. pubesc. ovario ½ brevior. Corolla flavesc.? Sepal. 3 exteriorib. [illegible] acuminat. ciliat. extus scabris 2''' lon. [illegible] interiorib. minorib. glabris linearib. Labell. obovat. obtus. margine apicem versus repandum

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Miquel Prolusio flor. Japon. p. 135.

<u>Microstylis japonica Miq.</u>

Kenia Bl. herb.

Caulis ima basi vaginatus, fol. 2, subop-
positis, elliptica vel obovato-ellipt. mem-
branac. tenere nervosa; pedunculo firm.
fistulatus, capsulae cuculo adpressae
pedicello subaequilongae. bract. breves
triangulares acutae.

Specimen fructifer. fol. 5 cm. longa
nervis tenuis alternis vulgo paullo
validioribus. Pedunc. solitar. [illegible]
ad [illegible]. Hypsodalis, [illegible]
bis illis fere accepit opposite [illegible]
[illegible]. 5-pollicaris. Capsul. angustae
oblongae angulatae [illegible] floris reliquiis
sep. [illegible] nervosa; petala lato
linear. Lab. apice 2 apiculis [illegible].
Gynost. breve, sepalo postico ½ brevius
Ab M. diphyllae Lindl. Orch. 19 affinis?

Buerger [illegible].

771.

MASDEVALLIA O'BRIENIANA, *Rolfe, n. sp.*†

This is a tiny little species, about 2 or 3 inches high, which has appeared in the collection of R. I. Measures, Esq., of Cambridge Lodge, Flodden Road, Camberwell. It is closely allied to M. simula, Rchb. f., but has much larger flowers, as they measure quite half an inch in length. Although so small, their colour is exceedingly pretty. The lateral sepals are bright yellow spotted with maroon, the dorsal one being paler, more transparent, and with brighter spots; the tips of the tails are yellow. As in M. simula, the flowers are imbedded among the leaves, while the remarkable lip, and the acute transverse ridge at the apex of the perianth-tube underneath, bear a close resemblance to what we see in the same species. The shape of the petals (described below) is also very remarkable. I know nothing further of its origin. It is dedicated to Mr. James O'Brien, of Harrow-on-the-Hill, Middlesex. *R. A. Rolfe.*

MASDEVALLIA × MEASURESIANA, *n. hyb.**

We have now another pretty hybrid to add to the list of Masdevallias artificially raised in this country, and this time the credit belongs to Messrs. F. Sander & Co., of St. Albans. M. tovarensis was the seed-bearer, the pollen being obtained from M. amabilis. In habit the plant somewhat resembles the pollen-parent, also in the terete peduncles; but in shape and colour of the flower the characters approximate more nearly to the mother plant. The influence of M. amabilis, however, is distinctly seen, especially in the longer tails of the lateral sepals. The perianth is white, the nerves and margin lilac, and the tails purplish-brown near the base, paler and greener towards the apex. A small plant has now flowered for the first time, showing a pretty and delicately-coloured little flower, but capable of much improvement as the plant becomes stronger. It is named by request after R. J. Measures, Esq., of Cambridge Lodge, Flodden Road, Camberwell, a well-known lover of this pretty little genus, and the possessor of a very complete collection. *R. A. Rolfe.*

Rich. & Galeotti Orchidéogr. mexic.
Anal. Scienc. nat. 1845 I p. 27.
Polystachya ~~miniata~~ minuta Rich & Gal.
Minima: Pseudobulbo ~~ovato~~ ovoideo-oblongo sulcato 1-phyllo; fol. lineari apice obtuso; floribus minimis in axilla folii solitariis; labello sessili ovali obtuso.
(Mir absolut unverständlich.)

Pag 28.

Habenaria adenantha. Rich. Gal.
Subglandulosa. fol. elliptico-lanc. floribus viridib. glandulos. sep. internis lanceolat. appendice lineari angustissima labelli lob. lin. glandulos. calcari inflato labelli longitudine.

Pag. 29

Haben. acutiflora Rich. Gal. Fol. ovali-oblong. strict. floribus parvul. albidis sep. supremo lanceol. acutissimo dorso glanduloso subcristato, labelli lacin. lat. lin. longiorib. intermedia linguaeformi lanceolata.

773. Pag. 29.

Haben. alata Rich & Gal (nec Hooker)
Caule angulato subalato; fol. ellipticis decurrentib. flor. viridib. sep. supremo concavo dorso trialato, labelli lob. lat. intermedio linguaeformi obtuso. (sic!)

Haben. Brizabauris Rich-Gal. Fol. ovali-acut. florib. viridib. parvul. appendice lanceolato vix sepalo longiore, lab. linguaeformi (integro) angusto obtuso. basi dilatato.

Hab. brevilabiata Rich-Gal. (Pep. inappendic) Fol. lanceol. flor. viridib. lab. obl. ~~acuto~~ angusto obtuso.

Hab. stricta Rich-Gal. Fol. lanc-strict. florib. parvul. viridib. lab. obl. obt. calcari recurvo brevi. (Pep. simplicia)

(Hab. virens Rich. Gal. (Lab. 3 part Pet. simpl.) Fol. elliptico-obl.-acut. flor. viridib. numerosissim. sep. supremo galeaeformi medio cristato, ~~post.~~ sep. intermis spathulat labello lob. lat. acut. intermedio dimidio brevioribus.

Platanthera nubigena Rich. & Gal.
Parvula fol. elliptico-obl. florib. albido virescentib. lab. lineari-obtuso.
Tag 30.

Platanth. longifolia Rich. & Gal. Fol. lanc. angust. florib. viridib. lab. lin. calc. inflato.

Pl. Ghiesbreghtiana Rich. Gal. Fol. lanc. acut. florib. viridib. numeros. lab. lanc. crasso subacuto.

Gymnadenia neottioides Rich. Gal. Caule perquiped. fol. lanc. acutiss. flor. viridib. lab. obl. lanc. crasso obtuso.

G. propinqua Rich. Gal. Caule pedali fol. lanc. angust. florib. viridib. minim. lab. obl. integro obtuso, calcari gracili longo.

Ponthieva oblongifolia Rich. Gal.
Fol. obl.-lanc. obtus. sinuos. gynost. exalato. Tab. 42.

775. Pag. 30.

Cranichis silvatica Rich. Gal. Fol. radical. ovali-acut. petiolat. sep. ovali-acut. lab. fornicato basi unguiculato apice expanso et margine truncato, revoluto.

Cran. glandulosa Rich. Gal. Fol. ovali-acut. brevissime petiolat. vaginis pubeati-glandulos. sep. ovali-oblong. labello obovali concavo apice subundulato-expanso.

Cran. subumbellata Rich. Gal. tab 43. Fol. radical. longe petiolat. ovali-obl. florib. minim. purpur. in spica subumbellata disposit. lab. apice acuto. (Microstylis?)

Pag. 31.

Prescottia pachyrhiza Rich. G. tab 44. Radice fasciculata, fibris tuberiformib. fol. radical. obl.-lanc. lab. obl. acuto.

Prescot. Lindeniana Rich. Gal. Fol. obl.-lanceol. lab. convoluto obtusissimo.

tab. 45.

Galeoglossum prescottioides Rich. Gal.
Calycis sep. exteriora angusta revoluta
inter. angustiora. Lab. erect. postic. concav.
integr. galeaeforme dorso subcompress.
basi secrsim angustat. supra basin
hinc & illinc auriculat. medio dorso
c. sep. extensis coalitum & sacculum
calicariformem obtusum hinc ovario
adnatum efformans. Gynostem. breve
antice convex. apice dilatatum. Clin.
andr. obtus. antice bifid. anthera
dorsalis basi & postice auriculata
bilocularis loculis a connectivo dorsali
obl. segregat. pollin. 2 ovoidea sessilia.

Ocampoa mexicana Rich. Gal. tab. 46.
Flores resupinati, perianth. sub ringens,
sep. extern. difformia superius obl. angust.
later. erecta distincta basi antice
multum productiora, interiora erecta
lin. Lab. longe stipitat. gynostemio parall.
lum cordat. integr. convolut. Gynostem.

antice planum apice apiculatum postice obliquum & productior marginib. membranac. subpetaloideum; anthera postica angusta bilocularis, locul. longitudinaliter dehiscentib. pollin. 2 obl.-linearia.

<u>Spiranthes racemosa Rich-Gal.</u> Fol. angusto-lin. spica elongata florib. parvul. sep. supremo obl. concavo lab. canaliculato carnoso, margine membranaceo apice reflexo acuto.

Pag. 32.

<u>Spir. minutiflora R.-Gal.</u> Caule aphyllo, spica distantiflora florib. minim. sep. supremo galeato, labello ovali-acuto margine undulato.

<u>Spir. transversalis R.-Gal.</u> Caule aphyllo vaginato, spica tortili florib. alb. transversalib. sep. lanc. lab. obl. acuto apice incrassato.

Spir. variata. R. Gal. Caule aphyllo vaginato, spica pauciflora, flor. viridib. sep. ovali-obl. obtus. lat. basi productionib. & peralam efformantib. lab. obl. obtuso supra unguem cordato.
Spir. parasitica. R. Gal. Caule aphyllo vaginato spica gracili florib. parvul. alb. sep. lanceol. lab. obl. obsolete trilobo violaceo-stricto.
Spir. violacea R. Gal. Caule aphyllo puberoente vaginato spica tortili, flor. glanduloso-pubentib. violac. lab. obl. apice truncato.
Spir. luteo-alba R. Gal. Fol. petiolato elliptico-obl. acuto, caule pubente spica densa pyramidali florib. luteo-alb. lab. 3lobo lobo medio truncato
Spir. Galeottiana Rich. Gal. tab. 47. Fol. radical. longe petiolat. ellipti. utrinq. acut. spica gracili longissima florib. angust. purpur. sep. lin. acutissimis, lab. crenulato.

779 Pag 31.

Spir. latifolia Rich Gal. Fol. radical. lato-elliptic. acut. florib. majorib. luteis in spica pauciflora disposit. pubentib. lab. longe unguiculato apice dilatato subcordato obtuso.

Spir. pauciflora. R. Gal. Caule aphyllo (?) vaginato, apice 2floro florib. majorib. luteis. lab. ovali-lanceol. -acuto.

Spir. hyemalis R. Gal. Caule folioso, fol. lanc. acut. florib. 2-3 albid. lab. obl. spathulato obtuso.

Spir. Funckiana R. Gal. tab. 48. Fol. radical. longe petiolat. ovali-acut. margine subundulat. florib. viridib. pubentib. spicat. lab. capa[illegible]culato apice dilatato subcordiformi.

Pag 32

Spir. ochracea Rich Gal. Fol. radical. parvul. ovali-acut. florib. luteo-rubris pubentib. spicam brevem efformantib. lab. longe unguiculato ovali acuto.

Pag 32.

Spir. pubens R. Gal. Caule folioso fol. lanceol. acut. florib. majorib. pubentib. subir spicam brevem efformantib. lab. breviter unguiculato ovali-lanc. acuto.

Spir. lanuginosa R. Gal. Caule lanuginoso folioso fol. obl. lanc. acut. lanuginos. flor. luteis majorib. lanuginosis.

Spir. chloraeaeformis R. Gal. tab 49

Caule aphyllo vaginato. florib. majorib. viridib. spicam subcapitatam involucratam efformantib. lab. ovali apice acuminato longe unguiculato

Spir. montana R. Gal. Caule folioso glabro, fol. lanc. acut. flor. purp. pubentib. lab. ovali-elliptico.

Physurus brachyceras R. Gal. Tuberos. fol. petiolat. ovali acut. lab. ovali acuto apice

781.
exappendiculato basi saccato, col. arcuata ima basi c. labello coalita. An genus distinctum?

DISA STAIRSII, *n. sp.**

THIS plant was collected by W. Grant Stairs, Esq., on Mr. Stanley's last great expedition in 1889. As we can only judge from descriptions, this new Disa must be placed near Disa hircicornis, Rchb. f., and Disa Walleri, Rchb. f., both of East African origin, and belongs to that group of species of which Disa polygonoides is the best-known representative. I refrain from repeating all the characters given in the Latin description. The general habit of this very nice plant is about the same as that of our British Orchis laxiflora, the flowers being of about the same size, and, as much as I could judge from a dried specimen, also of the same or a very similar colour. I received an authentic specimen (No. 51) of the collector from Professor G. Schweinfurth. *Dr. Kränzlin.*

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* *Disa Stairsii*, n. sp.—Sepalo dorsali obtusissimo galeato antice subclauso, calcari genuflexo tenui duas ovarii partes æquante (extenso ovario sublongiore); petalis late ovatis sub galea omnino absconditis obtuse acutis; sepalis lateralibus deflexis divergentibus obovatis involutis antice obtusis apiculatisque; labello lineari-ligulato obtuso sepalis æquilongo multo tamen angustiore.—Planta valida certissime bipedalis; folia linearia v. lineari-lanceolata acuminatissima 20 cm. longa ad 2 cm. lata, in bracteas similes decrescentia; spica longiuscula multiflora basi laxiflora ad 15 cm. longa; bracteæ lanceolatæ aristatæ sub anthesi floribus paulo (arista) longiores basilares floribus multo longiores; flores 1—2 cm. alti, purpurei; labellum certissime pallidius. In monte Ruanzari Africæ orientalis colleg. W. Grant Stairs, v. cl.

From the "Gardeners' Chronicle," Dec. 17, 1892, *p.* 728.

New Plant

CYPRIPEDIUM EDITHÆ, *n. hybr.**

* *Cypripedium Edithæ*, n. hybr.—Sepalo dorsali ovato oblongo acuto, sepalo inferiore oblongo obtuso excavato, petalis linearibus acuminatis bis v. ter tortis, labello æquilongis pilosis, labello profunde saccato subcompresso carinato margine præsertim basi profunde involuto. Staminodio quinquangulo postice sinuato longe piloso. Totus flos pallide roseus venis intensioribus striolatus, 2½ pollic diametro, labellum 1 pollic et 3 lin. longum, 9—10 lin. profund., vix 6 lin. latum; roseum margine albidum roseo-punctulatum, gynostemium album. Folia linearia carinata læte viridia.

This lovely new hybrid has been obtained by fertilizing Sel. conchiferum, Rchb. f., with the pollen of S. Schlimii albiflorum. As S. conchiferum is the hybrid between S. caricinum × S. Roezlii, we have to deal with the characters of three very different species. The influence of the pollen parent being here, as usual, the prevailing one, the plant is in the way of the hybrids of the Sedeni group. Of the female parentage there have only remained the twisted petals and the compression of the lip, which in size and dimensions are about midway between the lips of S. caricinum and S. Sedeni, with the colour of a pallid variety of the latter. The foliage is about the same as in S. Sedeni. The plant was raised by Messrs. Sander & Co., and is dedicated to Mrs. Editha Boyle, the wife of the well-known literary orchidologist, Mr. J. Boyle. *Dr. Kränzlin.*

From the "Gardeners' Chronicle," Oct. 15, 1892, *p.* 458.

New Plant

ODONTOGLOSSUM CRISPUM, Hunter's var.

Among the many varieties of this Protean-plant, the large flowering are more fashionable than the smaller ones, yet from time to time specimens come into flower of medium or even of small size which are of special attraction and merit, and which for their grace and loveliness may come into competition with the crowd of forms without a distinct character. Recently we received from H. T. Hunter, Esq., St. Andrews, Edinburgh, a flower of only 1¾ inches in diameter, with an unusually narrow lip, which will range amongst we will not say the best, but certainly the most valuable varieties that we have noticed for some long time past. The flower is mostly white, suffused with rosy-blush beneath the border of the sepals, and on the fringed border of the petals are numerous rosy blotches, and at the

783.

base of those leaflets is a group [illegible] several intense rosy-coloured spots. The lip is yellow at the disc, with a large rosy blotch between the crest and the top. If one would make a comparison between a big-flowering variety and a small one, it may be said that it is an O. crispum Trianæ much reduced in size, and with more intense colours. The rosy colour runs through the entire flower, and the way the flowers are arranged is similar to what is observed in the inflorescence of Phalænopsis Schilleriana. The variety "roseo-punctata," which was awarded a mark of merit by the Royal Horticultural Society, is the nearest approach to our new *débutant*. *F. Kränzlin, Berlin.*

From the "Gardeners' Chronicle," Feb. 1[illegible], 1893, *p.* 194.

Lælia hybrida Normanni, *Kränzlin.*

This new hybrid was obtained by crossing Lælia pumila var. marginata (seed plant), and Cattleya Dowiana (pollen plant). The differences between Lælio-Cattleya Ingrami and this new hybrid are, of course, only slight, but we may observe that the petals are more rhombic instead of ovate as in L.-C. Ingrami, and that the middle lobe of the lip is flatter and more plaited than in this variety. The colour of the sepals is a very tender rosy-purple, whilst the petals are somewhat darker. The lip is pale purple in the middle, with a very broad, purplish-mauve margin on the side lobes, an anterior or middle lobe of the same colour. The whole discus or middle part of the lip is beautifully veined. The column is white, and has the three little teeth peculiar to L. pumila. As there are eight pollen-masses (four greater and four smaller ones), the plant is (botanically speaking) a true Lælia; also the bulbs and leaves are more in the way of a Lælia than Cattleya-like.

The plant is a very valuable addition to our stock of ornamental hybrids, and was raised by Norman C. Cookson, Esq., Wylam-on-Tyne, whose fresh materials are to hand. Lælio-Cattleya Ingrami was raised between Lælia pumila Dayana and Cattleya aurea, and Mr. Cookson's hybrid has been raised between a fine variety of Lælia pumila marginata and Cattleya aurea. There is a conspicuous absence of the lines in the throat in the hybrid of Mr. Cookson. *Dr. Kränzlin.*

From the "Gardeners' Chronicle," Jan. 28, 1893, *p.* 98.

A

16

A

16

785.

Aganisia fimbriata 682.
Angraeci articulat. 736.
Acampe dentata 757

Habenaria amplifolia Cheesem. in

Caulis 1-3 pedal. teres validus 3/4-1 poll.
foliosus. Fol. 5-10 congesta, patentia, ro
minata. tenuiter membranacea, lat
6-12 poll. long. fere ad inflorescentiā ra
4-9 poll. long. laxus, multiflorus. Flores
ovarium subaequantib. Sep. 1/3-1/2 poll. lga
acuminata. Pet. fere ad basin bipar
2partitū, lob. lateralib. linearib.
longiore. Calcar gracile fere pedic
processub. stigmaticis oblongo. ola
Plentiful in deep shady ravines al
Rf. from the Fiji-Isl.

n Transact. Lin. Soc. 2 Sér. VI (1903) 298.—
ll. crassus, infra medium vaginatus, supeme
ovulata oblongo-v. lineari-lanceolata, acu-
ed, virentia, nitida, venis conspicuis. Pedunc.
vaginatus, supeme racemosus. Racem.
er mediocres, virides, pedicellati, bracteis
lga subaequalia oblonga v. obl.-ovata lanceolata,
er tita, lobo antico multo breviore. Lab.
b. brevioribus. lobo medio lin-lanceolato
ie lbo aequilongo. Col. brevis crassa,
la vatis.
ali through Rarotonga. Nearest H. superflua

10

791.

793.

[illegible]	
Dendrobium Baileyi	34.
" agrostophyllum	41.
" Strebloceras	50.
" stratiotes.	51.
" perinanthum	58.
" pogoniates	62.
" heteroglossum	73.
" inauditum	75
" cariniferum var. Wattii	96.
[illegible]	116
Dendrob. microglaphys	182.
" heterostigma.	197.
" esuriens	218.
Diplocaulobium purpur.	245
Dendrob. Toxai	273.
" parula	280
" spatella	281.
" Phalaenopsis	304.
" Treacherianum	311.
" cinnabarin.	412.
" ~~Cobbianum~~	~~43?~~
" botrychodes	439.
" tetrachromum	444.

Dendrochilum filiform	47
" Cobbianum	438
Dendrobium furc.	47
" cerinum	48
" undulatum var. fimbrilab	49
" strongylanthum	50
" Amblyornidis	53
" d'Albertisii	53
" superbiens	51
" Goldiei	51
" Williamsianum	51
" Burbidgei	52
" lituiflorum	55
" Petri	55
" arachnostachy.	56
" Stricklandianum	56
" praecinct.	56
" endocharis	59
" superbiens	60
" chrysocephal.	61
" marmoratum	64
" rhodopterygium	65.
" suavissimum	66.
" erythroxanth.	67
" arachnites.	68

794.

Mormolyca ringens Fenzl. cf Walp. III 541

Pseudobulbi plures caespitosi 1/2-1" lgi, ovati v. ovales ancipites, marcescentes compresso 4goni basi vaginis 2-4 equitantib. scariosis fusc., acutissime carinatis, interiorib. bulbu aequantib. tunicati: Fol. sessilia, adulta 5-8" lga 3/4-1 1/2" lta. basi complicato-carinata. Scapi (culti) solitarii, (feri) plures erecti, teretes firmi 6-8" lgi 1/2''' crassi, virides, vagin. 4 ochraeformib. 4-5''' lgis 1-2 1/2" distantib. acutis carinatis fuscis vestiti. Perigonii fol. postico lin.-oblongo 6-10''' lgo 2 1/2-3 1/2''' lato, erecto subnaviculari-concavo ecarinato,

7. 795.

apice fornicatum, acutissimum, sep. lat. posticis
aequilonga linearia, subfalcata calloso-mu-
cronata 1½-2½''' lata, labello supposita, parallele
deflexa, apice fere contigua, basi omnino libera,
mento plane nullo. Pet. consimilia paulo mi-
nora, ante posticum collocata parallela erecta.
Lab. oblongum perigonii foliolis extern. subdimidio
brevius, 2-2½''' latum carnosulum, areola basila-
ri triangula incrassata usq. ad callum producta
instructum, disco et apicem versus atropurpureum,
lobis lateral. dentiformib. ½''' lgis acutiusculis
antrorsum patulis libero margine ascendentib.
callo parum incrassato pleno, medio depresso
ovato acuto, basi semilunari decurrente
nitido. Germen sub anthesi 4''' lgum apice ¾'''
crassum, subtiliter 6-sulcatum. Col. semiteres
incurva sursum deorsumque sensim magis in-
crassata, basi tamen ultra germinis verti-
cem haud producta, nec apice marginata ibi
verticaliter truncata ac profunde triangulari
excavata viridi-flava, intus basi ad inserti-
onem labelli macula purp. transversa picta
Anth. 2locularis. Poll. 4 ellipsoidea, p. paria
incumbentia, postica minora, caudicula ob-
soleta medio glandulae hippocrepicae affixa.

797. E E

Eria Berringtoni } 742.
dea }

Epidendrum ador } 754.
xena } 2

Notylia Hügelii Fenzl. Denkschr. Ac. Wiss. Wien I (1850) 255.

Pseudobulbi caespitosi, ½-1" lgi. & 2-4''' lati, basi vaginis 1-3 squamaeformib. acuter tenui-cati, apice fol. solitarium alenter. Fol. linguaeformia obtusissima recurvo-mucronulata, 2-5" lga & 3/4-1" lata, erecto-patula demum sub-torta, supra modice canaliculato depressa. Racem. glaberrimus 3-4 pollic. Sep. 2 externa 3-4''' lga, 1''' lata, Pet. albida infra mediū punctis aurantiacis superpositis 2 v. 4 geminis transversim confluentib. picta. Lab. sepalis basi parū angustius & brevius. Col. teres labello subbrevior recta rarius apice nonnihil in-clinata. Flores melleo-suaveolenter nec aromatici.

Sepalen völlig zu einem Sepusepalū verwachsen.

F.

G.

16

1799. P.

H.

24

801. H

Hartwegia gemma 516.

Habenaria adenantha } 772.
" acutiflora }
" alata } 773.
" orizabensis
" brevilabiata
" stricta
" virens.
" amplifolia 785.

I. K.

Kefersteinia mystac. 299.
" gemma 662.
" lactea 755.

L.

Lockhartia amoena 742.
Listrostachys cephalotes } 758.
Laelia hybrida Normani } 783.

L.

Li.

M

N.

M.

Oa1 ½

805. O

807. O.

P.

P

Pleuroth. perplexa	220.
" glandulifera	225
" supervacanea	229.
Polystach. rhodoptera	257.
Pholidota Lindos	258.
Promenaea florida	267.
Pleuroth. Krameriana	273.
" alligatorifera	283.
" vittata	295.
" dichroa	297
" strupifolia	298.
" ornata	301.
" Bakeriana	305.
" pyrsodes	606.
" macroblepharis	689.
" fulgens	727
" lateritia	746.
Pterygodium magnum	763.
Prescottia pachystachya / " Lindeniana	776.

P

Pogonia pulchella	302.
Pterostyl. Banksii	310.
Phalae. Stuartian.	315.
Pescatorea Dormaniana	391.
Physosiphon carinat.	456.
Phaeophyllum Dicksoni	554.
Ponera Kienastii	568.
Phalaenopsi. Stobartiana	584.
" Amphitrite	618.
Pescatorea euglossa	627.
Phalaenops. leucorhoda	639.
" casta	649
Pescatorea Roezlii	663.
Phalaenop. fuscata	664.
Polystachya abbreviata	675.
Phalaenop. Esmeralda	685.
Physurus nobilis	705
" decorus	706
" Ortgiesii	707.
Pescatorea lamellosa	712
Phalaenopsi Veitchiana	747
Physurus brachyceras	780.

809. P. ~~Q.~~

Platanthera ambigua } 779.
" longifolia
" Ghiesbreghti alba

Polystachya minuta 772.

R.

Rodriguezia Stangeana } 196.

Restrepia scaphophthalma } 286.

Renanthera ~~Fal~~ Storiei 417.

Restrepia Falkenbergi. 463.

Renanthera histrion. 518.

Restrepia prorepens 568.

" Reichenbachiana. 714.

R.	R.

…36.
…286.
…417.
…463.
518.
568.
714.

811. S

Spathoglottis plicata B. 5.
Sarcochilus Armitii 20.
" Hartmanni 25.
Spathoglott. Augustor. 47.
Schomburgkia chionodora 49.
Spiranthes euphleb. 94.
Stenorrhynchus 94.
Spiranth. chilensis 108
Spathoglott. [illegible] 1[illegible]
Stanhopea oxytriophora 117.
Spiranth. Smithii 181.
Stenia fimbriata 18[illegible]
Saccolab. trichromum 198.
" borneense 200.
Sarcanthus termissus 217.
Schomburgkia gloriosa 222.
Stanhop. costaricens. 247.
Sarcochil. Calceol. 247.
Spiranth. Elwesii 255.
Sarcanth. adspersus 278.
[illegible] 282.

21

S

Sarcanth. Williamsoni 291.
Sarcochilus luniferus. 178.
Sobralia Lowii Rolfe 375.
" Wilsoniana Rolfe 375.
Spiranthes [illegible] 424.
Specklinia ciliar. 451.
Stanhop. florida 481.
" Reichenbachian. 491.
Sarcanth. Hincksian 498.
Sophronitis purpur. 505.
Saccolabium mimus 535.
Sobralia suaveolens 510.
Sarcanthus mirabil. 528.
Sobralia Cattleya 553.
Spathogl. Petri. 583.
Schlimia trifida 612.
Saccolab. Pumilio 702.
" dives 710.
" Hendersonian 715.
Sarcanthus macrodon 757.

20

91.
78.
75.
75.
4.
51.
81.
91.
98.
05.
535.
510.
528.
53.
783.
12.
702.
710.
715.
757.

Spir.

V

U.

Uncifera heteroglossa 523.

V

V. W. X.

Warrea tricolor var. stapelioides. 758.

2.

8. 817. X Y

Z.

17

819.